CHILDREN'S MAGAZINE OF THE YEAR

SCIENCE + ANIMALS + PUZZLES + PEOPLE + APPS + PHOTOS + BOOKS + SPORT + RAT CZAR

THE WORLD'S BEST NEWS & FACTS FOR YOUNG PEOPLE

PEOPLE

An activist pushing for change

p9

UK NEWS

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NEWS

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22 April 2023 • Issue 384
theweekjunior.co.uk

Making sense of the world

THE WEEK Junior

THE BEST MAGAZINE FOR CURIOUS KIDS

EARTH DAY

Discover what you can do to help the planet p22

☑ Reduce waste
☑ Clean up
☑ Speak out

VISIT…

LANZAROTE
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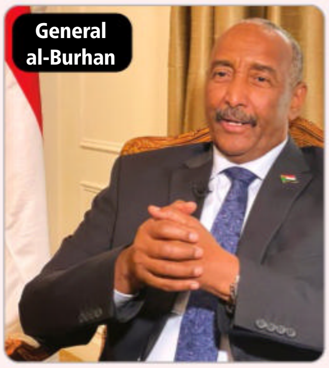
Smoke rises over Khartoum.

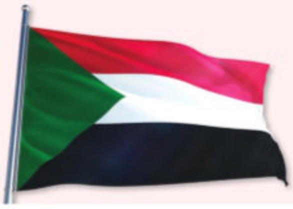
DID YOU KNOW?
Seven countries share their borders with Sudan.

Sudan fact file



General al-Burhan

- **POPULATION:** 46.4 million
- **CURRENCY:** Sudanese pound
- **CAPITAL CITY:** Khartoum
- **OFFICIAL LANGUAGES:** Arabic and English
- **TOTAL AREA:** 1.8 million square kilometres
- **NATIONAL DISH:** Ful medames (a stew of cooked beans)



Fighting breaks out in Sudan

On 15 April, fierce fighting broke out in Sudan, a country in north-eastern Africa, after a disagreement between two military leaders about how the country should be ruled.

Who is in charge of Sudan?

At the moment the government in Sudan is run by a group of army generals but there has been a lot of change in recent years. Between 1993 and 2019, Sudan was led by president Omar al-Bashir. In 2018, protests against his government began, sparked by rising costs and food shortages. These continued for months until, on 11 April 2019, al-Bashir and his government were forced from power.

The government that replaced it was run by the military and civilians (ordinary people not in the armed forces or police). This was meant to be in place for two years, before elections would be held for a fully civilian government. However, in 2021, the army staged a coup (seized power) and arrested some civilians who were part of the government. A deal to allow the people of Sudan to vote for their choice of government was agreed in December 2022, but since then no other details have been confirmed.

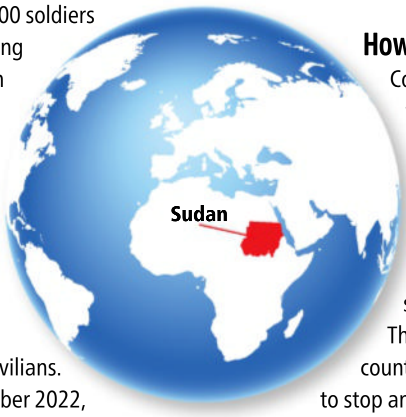
Who are the disagreements between?

The two men at the centre of the disagreements are General Abdel Fattah al-Burhan, the current ruler of Sudan, and General Mohamed Hamdan Dagalo, his deputy leader. Al-Burhan is the leader of the army and Dagalo is the head of the Rapid Support Forces (RSF), a separate group of 100,000 soldiers who have been accused of abusing people's human rights. Although they worked together in 2019 to overthrow President al-Bashir, the two are now enemies.

What led to the fighting?

Over the last few months, officials have been talking about how to change the government so that it is led by civilians. Under the deal agreed in December 2022, Sudan's army and the RSF would be brought together. However, this has caused trouble because it's not clear which general would be in charge.

In the week before fighting broke out, the RSF moved soldiers to different parts of the country, which the army saw as a threat. No one is sure who started the fighting on 15 April, but at least 270 people have died because of it and hundreds have been hurt. Hospitals are running out of supplies, some bridges and roads have been closed, and schools have been put into lockdown.



How has the world responded?

Countries near Sudan have agreed to send three presidents – from Kenya, South Sudan and Djibouti – to encourage the two generals to talk. However, the fighting means no planes are leaving or arriving in Sudan, so getting there could be difficult. The US, UK, and some European countries have called for the fighting to stop and for talks to start to sort out the disagreements. The United Nations, a group of 193 countries that promotes peace, has urged the generals to stop the fighting. The two generals agreed a ceasefire (when fighting stops) for 18 April, but the fighting continued.

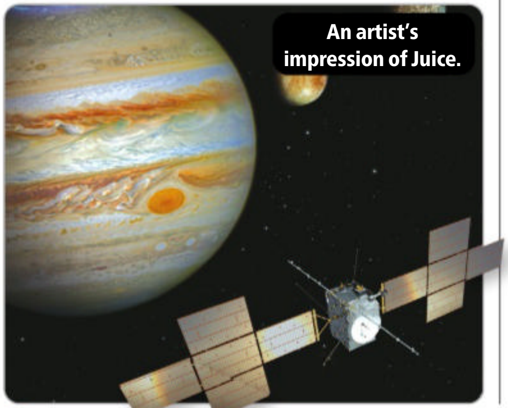
This week's big news

Mission blasts off to Jupiter's icy moons

A new space mission to study some of Jupiter's moons has been launched by the European Space Agency (ESA). The Jupiter Icy Moons Explorer (Juice) spacecraft blasted off on a rocket from French Guiana in South America, and is now hurtling towards the largest planet in the solar system. Its job is to study three of Jupiter's biggest moons: Ganymede, Callisto and Europa. Scientists think these frozen worlds could hold vast oceans of water below their icy surfaces, and they might even contain some form of life.

The Juice spacecraft will fly past Venus and Earth a few times, using their gravity to gather enough power to propel it deeper into space. Juice will take more than eight years to travel 4.1 billion miles to Jupiter. The mission will cost £1.4 billion.

Eventually the spacecraft will fly over the surfaces of Callisto and Europa before ending up in orbit around Ganymede in 2034, where it will create 3D maps, collect information and send back pictures. "I hope this mission will inspire future generations of scientists and explorers all over the globe," said mission scientist Professor Emma Bunce. "We have an exciting future ahead in the Jupiter system."


An artist's impression of Juice.

President Biden with students in Northern Ireland.

FAMILY TIES Along with President Biden, 31 million Americans say they have Irish ancestors.

US President visits Northern Ireland

On 11 April, US president Joe Biden visited Ireland and Northern Ireland to mark 25 years since politicians signed the Good Friday Agreement in 1998. This important agreement was designed to bring peace to Northern Ireland after 30 years of conflict there, known as the Troubles. The US helped the UK to arrange the peace deal.

In Belfast, Northern Ireland's capital city, Biden gave a speech at Ulster University. He spoke about how Northern Ireland has become a better place since the end of the Troubles, and called it a "place transformed by peace". He praised the popular films and TV series that have been made in Northern Ireland in recent years, and said there were lots of opportunities for young people. President Biden also urged Northern Ireland's politicians to work together. The UK Prime Minister, Rishi Sunak, joined Biden in Northern Ireland.

After his time in Belfast, Biden got onto Air Force One, the US president's special plane, and flew to Dublin, which is the capital of Ireland. Biden's family is originally from Ireland and he said that the country "feels like home". He also visited the Irish president, Michael D. Higgins.

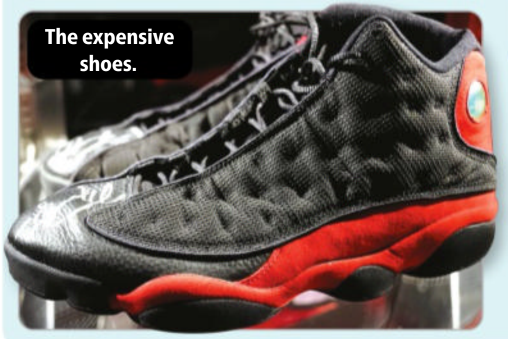
Biden toured around the country, visiting Carlingford Castle in County Louth, along with a café, a pub and a local market, where he bought lemon meringues and a mug featuring a picture of a dog.

President Biden in Dublin.

IT'S AN AMAZING WEEK FOR...

A RICH SPORTS FAN

Trainers worn by a famous US basketball star called Michael Jordan have been sold for a record £1.8 million. Jordan wore the Air Jordan 13s in an important National Basketball Association (NBA) game in 1998, and gave them to a ball boy after the match.


The expensive shoes.

Kamran, Harris and Eve.

DOING GOOD DEEDS

Three children from London have raised more than £1,000 for charity during Ramadan (the Islamic holy month) by completing their own version of a triathlon. Kamran, aged 11, Eve, seven, and Harris, four, took on running, swimming and cycling challenges to support their local food bank.

WELL-GROOMED GUINEA PIGS

Nearly 100 guinea pigs entered the Sydney Royal Cavy Show in Australia on 13 April. The rodents were judged on their shiny hair, healthy round eyes and brick-like shape. However, there could be only one winner, and a long-haired sheltie guinea pig called Saffron Falcon took the top prize.

One of the guinea pigs who took part.

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GREAT RACER Red Rum, who died in 1995, is the only racehorse to win the Grand National three times.

The Grand National horse race.

Climate protest at snooker

A protester from the group Just Stop Oil interrupted the World Snooker Championship on 18 April in Sheffield, England, by throwing orange powder over the snooker table while Robert Milkins and Joe Perry were playing. The match was delayed for 24 hours. Just Stop Oil stages public protests to demand that the Government stop all projects that use oil, gas or coal.

Protests disrupt horse race

Animal rights protesters tried to stop the Grand National, a famous horse race that takes place every April at Aintree Racecourse in Liverpool, England. The protesters say that horses can be badly injured in races and horse racing should be banned

Police arrested protesters.

What happened?

The race was set to start at 5.15pm on 15 April but protesters from the campaign group Animal Rising got into the racecourse grounds. Some glued themselves to fences that the horses were due to jump. Police arrested 118 protesters and removed them from the course. The race was delayed by 14 minutes and when the race began a 10-year-old horse called Hill Sixteen fell at the first fence and later died from his injuries. He was the third horse to die over three days of racing at Aintree. The Grand National first took place in 1839 and today the race is watched by around 500 million people around the world. The course is 4.3 miles long and horses and their riders must jump over 30 fences.

What was the response?

Hill Sixteen's trainer, Sandy Thomson, blamed the protesters for the horse's death, saying the delay to the race had "unsettled" everyone. Animal Rising's Alex Lockwood wrote in *The Guardian* newspaper that deaths are too common in horse racing, and that they are a sign of problems between humans and nature. "Everywhere we look we see a broken relationship with animals and the natural world," he wrote. The RSPCA animal welfare charity has called for a review into how many horses should be allowed to race in the Grand National, to help reduce the risk of injuries.

What happens next?

Animal welfare charities are also calling for lower fences in horse racing. Some animal rights groups want races with jumps to be stopped altogether. The British Horseracing Authority, which runs the sport, has said it will investigate the deaths.

WORD OF THE WEEK

GUINEA PIG

The name "guinea pig" is curious because the animal is neither a pig, nor is it from either Guinea in Africa or New Guinea in the south Pacific. They can squeal like pigs, but why "guinea" was used is a mystery. It may have been chosen centuries ago as an example of a far-off country that no one knew much about.

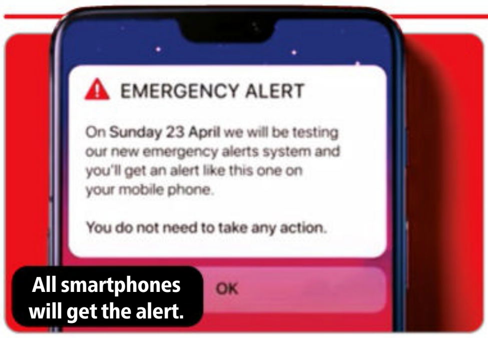
THIS WEEK IN HISTORY

22 April 2016

The Paris Agreement is signed

The Paris Agreement was the first big treaty on climate change that countries accepted as international law. On 22 April 2016, most of the world's countries signed it and agreed to tackle climate change by limiting global warming to less than 1.5°C and reducing greenhouse gases by 43% by 2030. The Paris Agreement is considered to be the starting point for countries working together to try to slow down climate change.

The Agreement was signed in New York.



EMERGENCY ALERT

On Sunday 23 April we will be testing our new emergency alerts system and you'll get an alert like this one on your mobile phone.

You do not need to take any action.

All smartphones will get the alert.

Emergency alert for phones

On 23 April at 3pm, the Government will send an emergency message to all smartphones in the UK to test a new public warning system. Phones receiving the message will make a sound and vibrate for 10 seconds, while telling users where they can find out more information about the alerts. The Government hopes to use this alert system in the future to warn the public about emergencies such as extreme weather events, like floods in their area.

Caragh McMurtry

Girlguiding gets new badges

The UK's largest youth organisation for girls, Girlguiding, has launched a new set of themed badges to challenge girls aged from four to 18 to be adventurous outdoors. The themes include Height, Land, Snow, Sport and Water. The first people to be awarded the adventure badges include rower Caragh McMurtry, who received the Water badge, and rock climber Shauna Coxsey, who got the Height badge. The badges will be fully available from next month.

Bannau Brycheiniog

Park to use its Welsh name

Brecon Beacons, a national park in Wales that attracts around four million visitors each year, has announced it will now be using its Welsh name, "Bannau Brycheiniog" (pronounced "Ban-eye Bruck-ayn-iog"). The change to Bannau Brycheiniog, which means "the peaks of Brychan's kingdom" in the Welsh language, took effect on 17 April – the park's 66th anniversary. However, some people who don't speak Welsh are unhappy with the name change.

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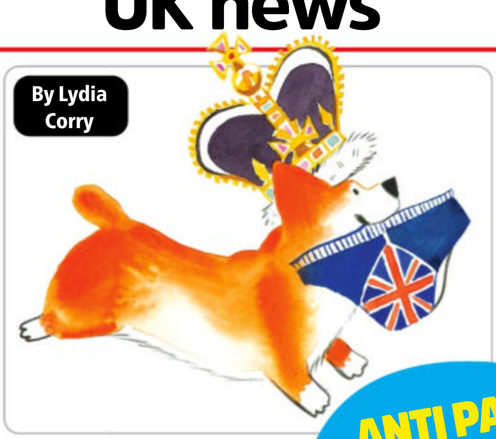
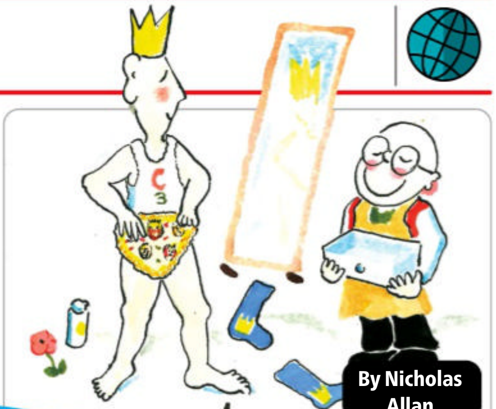
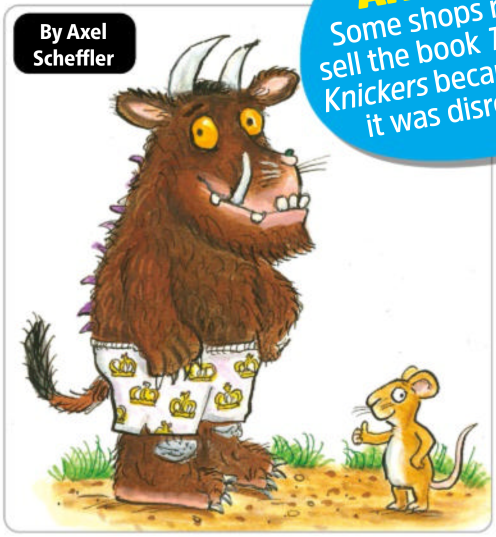


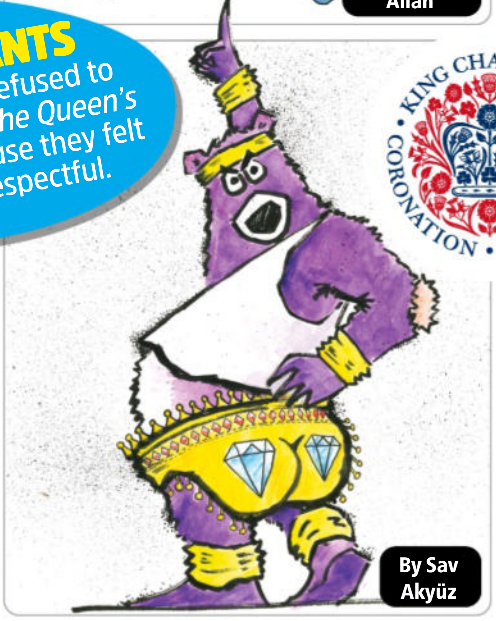
By Lydia Corry



By Nicholas Allan



By Axel Scheffler



By Sav Akyüz

ANTI PANTS

Some shops refused to sell the book *The Queen's Knickers* because they felt it was disrespectful.

Artists draw the King's pants

To celebrate the upcoming coronation of King Charles III on 6 May, a group of 24 artists and illustrators are raising money for charity by each drawing a pair of royal underpants in lots of different styles, shapes and sizes.

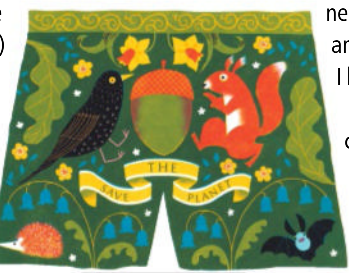
Each of the 24 fancy-pants artworks will be sold at an auction, which means people can bid (offer an amount of money) to buy a picture. All the money raised will be divided between the Trussell Trust, a charity that works to prevent hunger in the UK and runs lots of food banks, and the Disasters Emergency Committee, which is helping people who were affected by the earthquakes in Turkey and Syria earlier this year.

The auction is being run by Andersen Press, a publishing company, and Nicholas Allan, author of the children's picture book *The Queen's Knickers* and its new sequel, *The King's Pants*. One of Allan's illustrations of the King's royal underwear is among those up for auction. Allan said, "The royal family is a great subject to write about, it's a very comic thing."

The other artists involved include Axel Scheffler, who did the illustrations for Julia Donaldson's book *The Gruffalo*. Scheffler said, "I want to be a part of the online auction to help two important charities who need our help more now than ever – and basing it around the coronation, I hope we can raise lots of money."

Illustrator Lydia Monks's artwork, called *Pants Parade*, shows a group of farm animals wearing different styles of special pants. Some of the other pictures also show animals wearing pants, including a corgi dog, a bear, an elephant and a penguin. The King's love of wildlife and the environment has been reflected in lots of the designs, with pants featuring birds, dogs, hedgehogs, pandas and squirrels.

The charity auction is open until 5pm on 31 May. At the time *The Week Junior* went to press more than £4,100 had been raised.



By Momoko Abe

THE WEEK'S SILLIEST HEADLINE

"Moose on the loose wanders through Alaska hospital" NBC News

Around the world

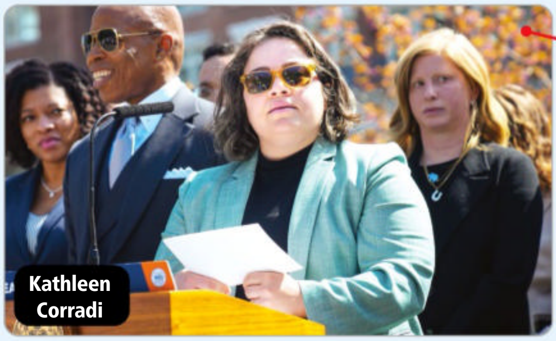
Canada
Super pigs head south

A breed of "super pigs" is heading to the US. The animals are a cross between domestic pigs and wild boars. They escaped from Canadian farms about 30 years ago and have spread out and become a problem. The super pigs are now close to crossing the US border. The pigs destroy farmers' crops and attack other animals, including deer.

Wild pigs on the move.

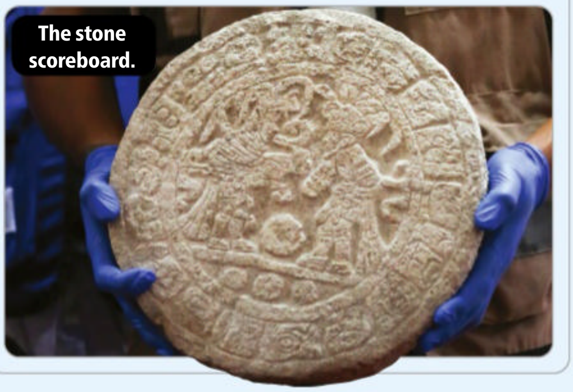
New York City, US
City hires its first chief rat catcher

A former school teacher called Kathleen Corradi has been announced as New York's first ever "Rat Czar", meaning she's in charge of ridding the city of rats, which are known to spread diseases. Corradi plans to start by tackling rat-friendly conditions such as rubbish-strewn streets. "I look forward to sending the rats packing," she said.


Kathleen Corradi

Chichén Itzá, Mexico
Ancient sporting scoreboard found

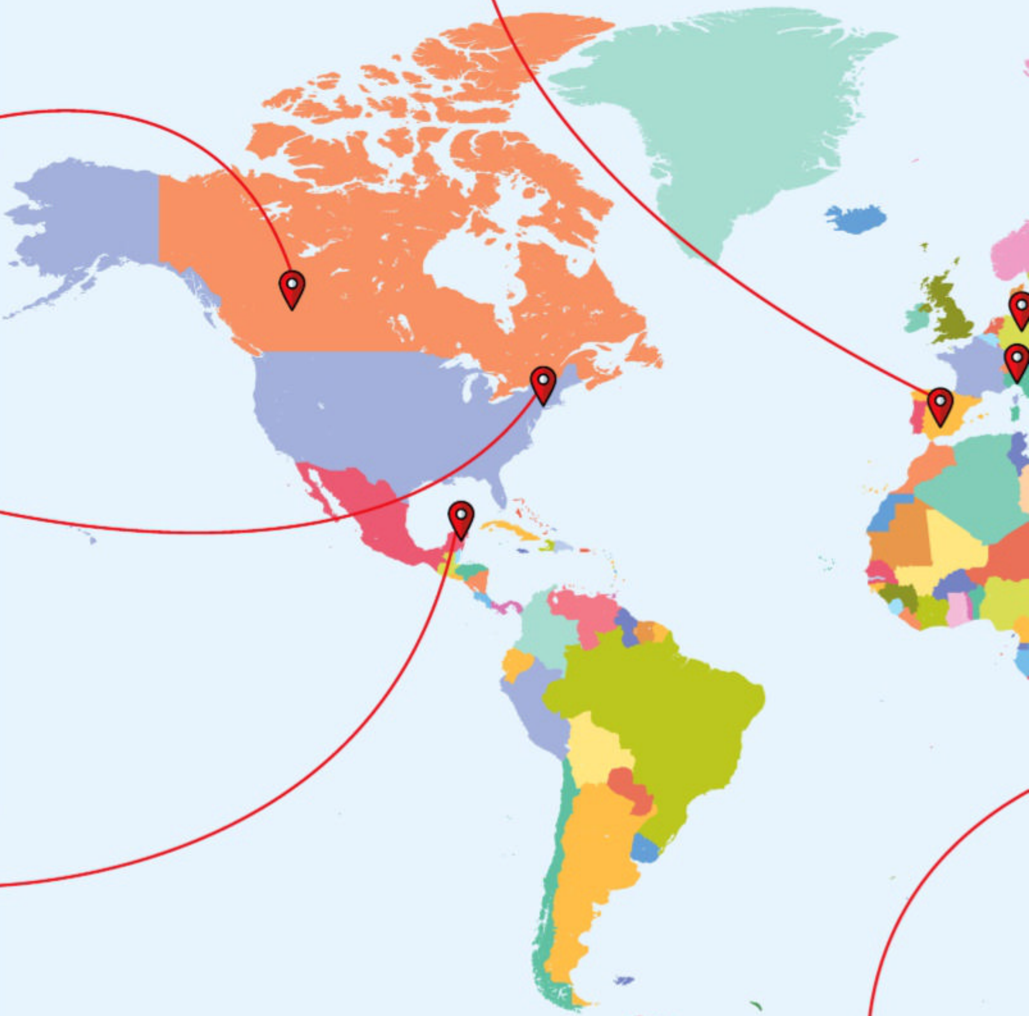
A carved stone disc, thought to be a scoreboard, has been found in the ruins of Chichén Itzá, an ancient Mayan city. The Maya civilisation existed in Mexico and Central America from about 3,500 years ago. Experts think the stone is more than 1,000 years old and shows two figures playing pelota, a team game that uses a hard rubber ball.


The stone scoreboard.

Women dance flamenco.

Andalusia, Spain
Flamenco is protected

The Flamenco Law has been passed by the government of Andalusia, a region of Spain. Flamenco is a type of art that involves poetry, singing, guitar playing and dancing with hand clapping and lightning-fast footwork. It has been part of Spanish culture for hundreds of years. The new law aims to protect flamenco from being changed by recording what it is and making it part of the region's school curriculum.



Mozambique
Queen's life celebrated

The Queen of Niassa, Abibi Achivangila, has died aged 96. She was the fifth in a line of queens stretching back hundreds of years. The first queen came to power after rescuing a group of people whom her husband had sold into slavery (the practice of owning people and forcing them to work). A new queen will now be chosen by the families in her village. They will look for someone who is caring and well-liked.

The Queen of Niassa.

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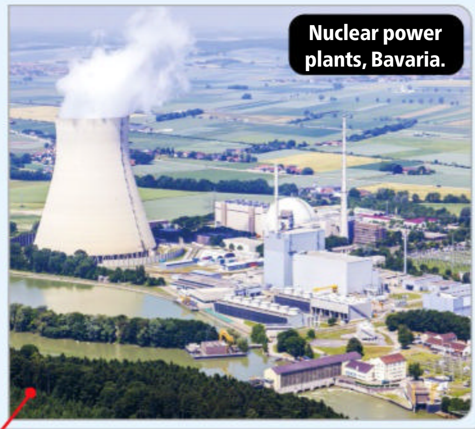
Around the world

Germany
A nuclear shutdown

Germany is closing its last three nuclear power plants. These generate electricity using nuclear fission, the process of splitting atoms (the building blocks of all matter). The German government wants to replace nuclear power with wind and solar power, which many people feel is safer. For now, it will mean Germany has to use more polluting fossil fuels, like coal and gas, and could lead to higher energy prices.


Nuclear power plants, Bavaria.

A freed man hugs his nephew.

Yemen
Prisoners released

More than 800 prisoners have been set free and returned to their families in time for Eid al-Fitr (a Muslim celebration). The prisoners were held by both sides in Yemen's civil war (a war between groups in the same country), which has been going on since 2014. It is not known how many prisoners each side still holds but people hope that this action will help to bring the war to an end.

Moscow, Russia
Critic of President Putin jailed

Russian activist Vladimir Kara-Murza has been sent to prison for 25 years for criticising the Russian government and the invasion of Ukraine. The politician is one of several critics of President Putin to be jailed. He was found guilty of spreading false information and treason (betraying his country). Kara-Murza said he felt "proud".

Vladimir Kara-Murza in court.

Portofino, Italy
Fines to stop tourists lingering

Visitors to Portofino can now be fined (charged money as a punishment) for pausing too long in two new red zones. The town's mayor said visitors stopping to take selfies are causing unsafe crowding. It's hoped the £243 fine will help move people along. Italy has even more tourists this year because more local people are holidaying at home.

Pretty Portofino.

Thailand
Water festival causes a splash

Huge water fights have taken place across Thailand for Songkran. The three-day festival marks the Buddhist New Year, when people use water to wash away the year and prepare for the next. This is the first time celebrations have been allowed since the Covid-19 pandemic. Tourists and locals gathered with buckets, hoses and water pistols.

Songkran celebrations.

Should the House of Lords be replaced?

Some people think the House of Lords is out of date and unfair.

What you need to know

- **The House of Lords, also called the upper chamber of Parliament, has roots in the 12th century. Its members, called "peers", are responsible for studying and voting to pass or reject bills (suggested laws).**
- **Unlike MPs, none of the 786 peers in the House of Lords have been voted into their position by the public. Most peers have been appointed by the King or Queen on the advice of a Prime Minister.**
- **The Labour Party wants the House of Lords replaced with a smaller upper chamber of experts, elected by the public. Leader Keir Starmer says it would be "the biggest ever transfer of power from Westminster to the British people."**

FULL HOUSE
With 786 members, the House of Lords is the second largest political body in the world.

A debate in the House of Lords.

The House of Lords acts as an extra layer of the UK Parliament, making sure that bills approved by MPs are right to become law. Since 2000, the House of Lords Appointments Commission, an independent public body, checks possible peers to make sure they are suitable. There are also 92 peers with titles like duke or earl because of the family they are born into. Peers are often experts in certain areas, such as business or science. Members are not paid but can claim £305 for each day they attend, although they don't always turn up. Lord Lebedev has been to about 1% of Lords sessions since he became a peer in 2020. Some say the House of Lords should be changed for a more modern system; others think they do a good job. What do you think? Should it be replaced?

Yes – it's not a fair system

What's the point in voting for a Government when its decisions can be influenced by people you haven't chosen? Some peers are appointed because they have been born into a particular family, or because they support (or give money) to a political party. Peers don't represent the population. They have an average age of 71, just 29% are women and more 50% are from London, the south-east or east of England. We live in a democratic country, which means people should have a say in how our Government is run, but most of us have no say. Members are given a lifetime of power, so we can't even replace them. The House of Lords has an important role but this is even more reason for it to be run by people chosen by the public.

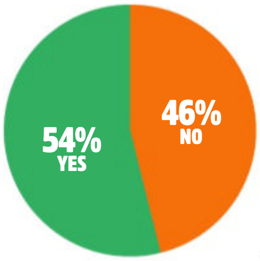
No – it does a good job so why change it?

The House of Lords plays an important part in helping the Government run the country. Its members work in groups, called committees, and give expert advice to MPs. For example they persuaded the Government to ban smoking in cars that carry children. They may not be voted for by the public but this means they are less likely to be influenced by popular opinion and can base their decisions on what is best for everyone. There are rules in place to limit the House of Lords' power. Members aren't allowed to reject tax bills, for example, or anything that is heavily supported in the House of Commons. The House of Lords may not be perfect but it's been an important part of Parliament for 1,000 years, so why replace it now?

THE WEEK Junior Scan the QR code to vote in the debate

LAST WEEK'S POLL

Last week we asked if writing by hand is better than typing. The vote was quite close but most of you felt that handwriting adds a more personal touch to messages.



YES Three reasons why the House of Lords should be replaced.

1 **What's the point in voting for a Government when its decisions can be overturned by people who haven't been elected by the public?**

2 **Members don't fairly represent the population and are given the job for life, so we can't replace them.**

3 **A new, smaller elected upper chamber could be filled with people who have earned their position and represent the whole country.**

NO Three reasons why the House of Lords should stay as it is.

1 **Most members are chosen because they are experts who can advise MPs and help them make important decisions.**

2 **Members don't have to win votes to keep their job, which means they can give honest advice that might not be popular at the time.**

3 **There is already a system of rules in place which limits the power of the House of Lords and it works well – so why change it now?**

HOUSE OF LORDS / ANNABEL MOELLER

WHAT DO YOU THINK?

Now that you've read a bit more about it, tell us what you think by voting in our poll at theweekjunior.co.uk/polls
Vote YES if you think the House of Lords should be replaced, or NO if you don't. We'll publish the results next week.

The aim of the Big debate page is to present two sides of an issue fairly and objectively, in order to stimulate discussion and allow our readers to make up their minds. The views on the page do not reflect those of *The Week Junior*, and the page is not funded by third parties. The page is created in association with the English-Speaking Union, an educational charity helping young people discover their voice and realise their full potential. For more information, please see esu.org

Standing up for the environment

Nabilah Chowdhury is campaigning for change.

Where Nabilah Chowdhury grew up in east London, there was little space for wildlife. However, her family had a small vegetable patch on their balcony, with plants and bugs that she loved to watch. This put her on a path that would eventually lead to her campaigning for the environment.

When she was nine years old, Chowdhury moved to Sydney, Australia, and discovered a different world. "I had a kind of hard shell when I first moved, and it took me a while to get used to everyone," she says. Then she started volunteering at Taronga Zoo, where she saw animals she had never seen before, such as dingos, kangaroos and koalas, and her love of wildlife grew.

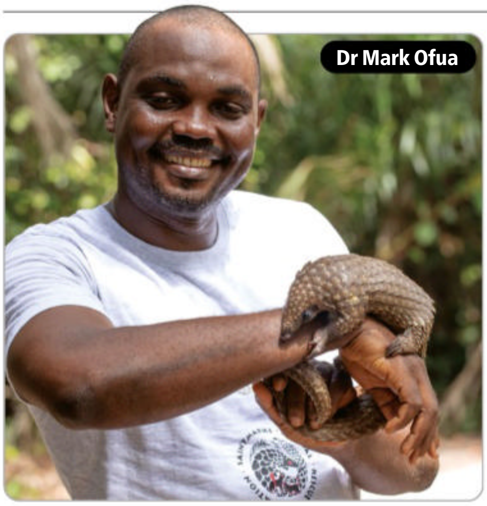
Alongside her volunteering work, Chowdhury, who is now 18, started to organise school strikes, refusing to go to school to show the government that young people want change. Later, she became a United Nations (UN) Youth Delegate. The UN is an organisation of 193 countries that work together on the challenges that face humanity.

In 2022, she was named "Young Champion of the Year" at the Global Good Awards, which recognise people who have fought to improve an environmental or social issue. Chowdhury hopes the award will bring more attention to her causes – protecting wildlife and animals – and help her make an even bigger impact.

Nabilah Chowdhury at a protest.

Nabilah Chowdhury

DID YOU KNOW?
The red kangaroo and emu are Australia's national animals.



Dr Mark Ofua

The pangolin protector

Dr Mark Ofua, a vet living in Nigeria, has dedicated his life to saving pangolins and returning them to the wild. Pangolins are also known as scaly anteaters. They are often hunted for meat or for their scales to be used as a medicine, and they are the world's most illegally traded mammal. Ofua, who has set up his own animal shelter, searches for pangolins that are for sale at markets so he can buy them and give them the care they need. When they're well enough, he releases them in nature reserves. Ofua said, "We must embark on a full-scale educational programme for the entire community on the need to protect pangolins."

A colourful personality

Tash Frootko is known as "the lady who turns streets into rainbows". The artist started painting her own house in Gloucester, England, in 2018 and now she's decorated whole streets as part of her Rainbow City project. Frootko told the BBC, "Certain parts of the city have looked unloved for far too long." She begins her projects by talking to the people who live there, then teams of helpers do the painting. The rainbow houses are so popular that Frootko has been given money by the Government to brighten up more areas. "I am totally devoted to transforming the look of this city for its residents," Frootko said.

Tash Frootko outside her painted houses.

THEY SAID IT!

"I want to help kids in need so that they can also discover things that they would like to learn about."

Aston Smith, aged 10, who is autistic and has just re-released his book *Things About Space* with extra features for autistic people or people who find reading difficult.

CANON EUROPE · BOOM PHOTOGRAPHY · SWNS · CATERS · NABILAH CHOWDHURY

An Amur tiger.

TIGER TRACES
"Pugmark" is the name used to describe most mammals' footprints, especially big animals like tigers.

Tigers double in India

The World Wide Fund for Nature (WWF), a charity, says there are now 3,167 tigers in India. That means the population has doubled since 2006. It amounts to 70% of all the world's wild tigers. However, indigenous people (the descendants of those who lived somewhere before another culture arrived and took over) say that the rise in tigers has been bad for them. New nature reserves have been created for the tigers in forests, forcing indigenous communities out of the areas where they have lived for centuries.

Tigers resting at a temple.

Amur tigers have personality

A group of researchers studying the behaviour of Amur tigers, also known as Siberian tigers, have found that they have different personality types that help them to survive and raise their cubs.

The largest cats in the world, Amur tigers live in vast forests in wilderness areas of eastern Russia and in protected areas of northern China. There are only about 500 left in the wild, although there are probably more than that living in captivity.

The researchers based the study on a human test called "The Big Five", which scores people on five personality traits. They asked vets and feeders working with 248 cats in two sanctuaries (one the world's largest semi-wild tiger sanctuary) to observe them and answer 70 questions about their personalities.

Amur tiger cubs at 11 weeks old.

The results divided the tigers into two groups, which the researchers described as having either "majesty" or "steadiness". Tigers in the majesty category were those that appeared "dignified, imposing and ambitious". The tigers in the steadiness category were "sincere, tolerant and frank".

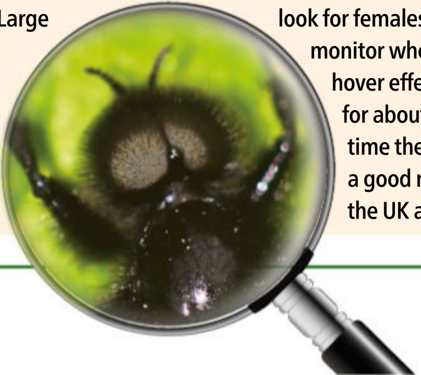
Majestic tigers had a higher status in the tiger world, spent more time hunting live animals, and mated and ate more. The steady tigers seemed more gentle and loving towards one another. Rosalind Arden, co-author of the study, told AFP, "It's pleasant to see that you don't have to be dominant, fierce, competitive and aggressive in order to succeed as a tiger."

Female and male tigers were in both categories. In fact, Amur tigers are unusual in that the fathers often help to look after the cubs. The researchers said that both personalities had advantages that help the tigers survive threats, including loss of habitat and hunting (some people believe they can cure certain diseases by eating tigers). The team hope the study will encourage more support for the tigers and their protected reserves.

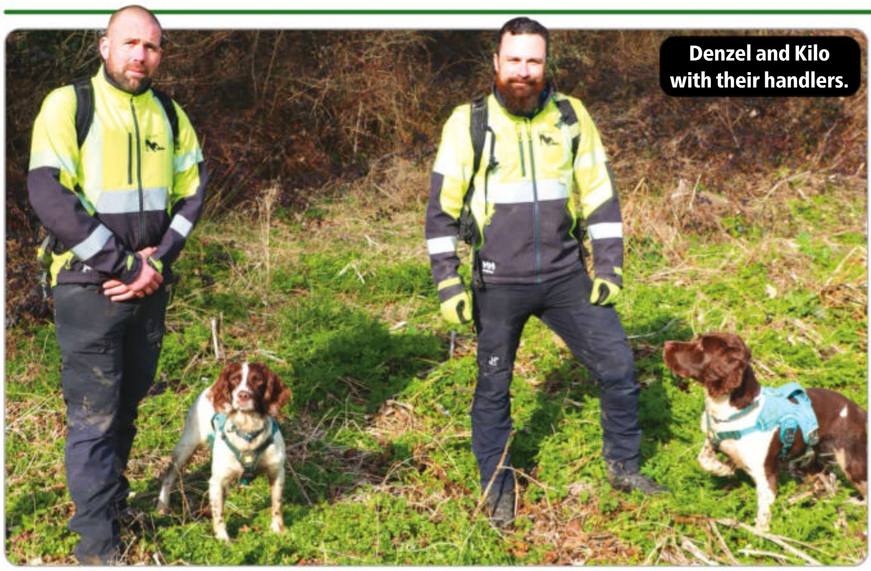
NATURE SPY

St Mark's flies swarm in the skies

The St Mark's fly is black, shiny and hairy and so-called because it appears around St Mark's Day, on 25 April (although it could be any time between April and June). Large groups swarm around woodland edges, fields, hedgerows and wetlands. They are about 12 millimetres long, with clear wings and long dangling hind legs. The males have bigger eyes than the females. In fact, the male's eyes are divided up and have separate connections to the brain, allowing them to use the upper part to look for females and the lower part to monitor where the ground is and hover effectively. The flies only live for about a week, and during this time they try to mate. They are a good meal for birds arriving in the UK after a long migration.



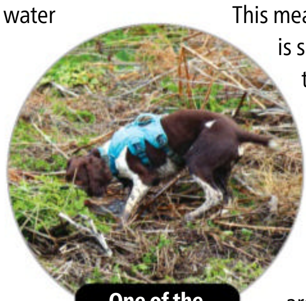
Animals and the environment


Denzel and Kilo with their handlers.

Dogs sniff out water leaks

A water company is using dogs to find where water is leaking from underground pipes in rural (countryside) areas.

South West Water supplies water to 1.7 million people in the English counties of Cornwall, Devon and parts of Somerset and Dorset. It is trying to cut the number of leaks across its network. The company has recently tried using dogs to sniff out problems, working with a dog-training company called Cape SPC, which provided two springer spaniels called Denzel and Kilo.


One of the dogs at work.

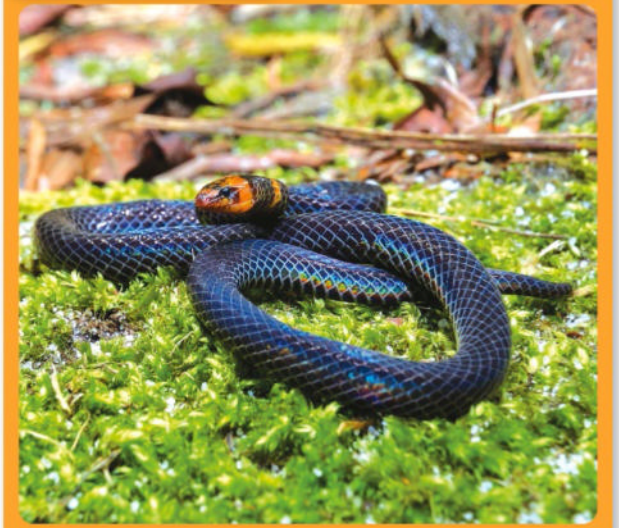
The dogs searched 27 miles of rural land in five days – something that would have taken a team of humans around two weeks. The clever hounds found seven leaks. Denzel and Kilo are trained to detect a chemical called chlorine in the water that leaks from pipes.

This means that in an area of land that is soggy with natural rainwater, they can sniff out where the leaked water is coming from. Once the leak has been detected, engineers can repair the broken pipe.

Luke Jones from Cape SPC says that Denzel and Kilo are even more valuable in wet weather, which makes it more difficult for staff to find leaks. "They are not only able to cover large areas of tough terrain more efficiently but they can also smell what can't be seen," he said.

Animal of the week

Dwarf reed snake



Scientists have discovered that dwarf reed snakes don't just slither away to avoid being captured by predators – they cartwheel. The snake curls its body into an S-shape before using its tail to launch into the air and do a cartwheel. The snakes are nocturnal (active at night) and rest under leaf piles, logs or rocks during the day.

- **HABITAT:** Forested areas in Malaysia, Singapore and Thailand in Southeast Asia.
- **SIZE:** 23–25 centimetres long.
- **DIET:** Carnivorous. They eat all sorts of things, including lizards and earthworms.
- **FUN FACT:** The tiny snake can dash 1.5 metres away (six times its length) from predators in five seconds.

Good week

English salmon

Atlantic salmon are breeding again in Swindale Beck in the Lake District, England. The river was straightened more than 150 years ago in the belief it would protect farms from floods. In 2016 it was re-wiggled, so it flows more slowly and salmon can lay their eggs in the calmer waters once more.

Bad week

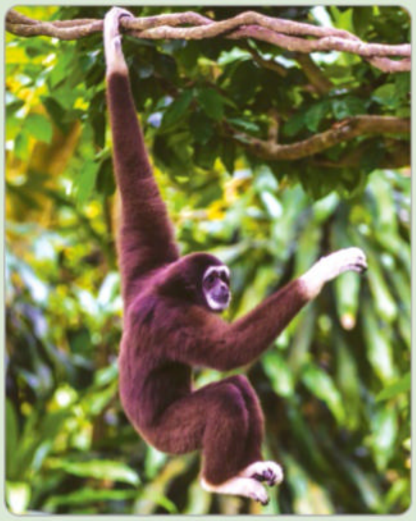
Earth's ozone layer

Record levels of chlorofluorocarbon (CFCs) have been found in the atmosphere. The chemicals, used in fridges and air conditioning, harm the ozone layer in the atmosphere, which shields Earth from the Sun's harmful rays. Laws restrict the use of CFCs, so no one knows why levels are rising.

ASK A ZOOKEEPER

MARK HOLDEN, ZSL LONDON ZOO

Why do some animals have two legs and some have four?



The short answer is evolution. Animals have adapted and changed over millions and millions of years to suit their environment and what they can eat. Some animals, like the zebra, have four legs to help them run away from other animals trying to eat them – like lions. Other animals' front legs were adapted into arms – like the gibbons' – to allow them to swing through trees and gather food.

Enjoy unlimited visits to ZSL London and Whipsnade Zoos, plus a host of other benefits with ZSL Membership. Find out more at zsl.org/membership/zsl-membership

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NASA’s plan to return hu

Next year, four astronauts will orbit Earth’s nearest neighbour.

The last time the US space agency NASA sent astronauts to the Moon was all the way back in 1972, more than 50 years ago. Now, NASA is laying the groundwork to land the next man (and the first woman) on the Moon, as part of its Artemis programme. On 3 April, the space agency named the four astronauts who will be on board the next mission, Artemis 2.

ON THE MOVE
The Moon shifts about 3.8 centimetres further away from Earth every year.

What is the aim of the mission?

The main goal of the Artemis mission is to return to the Moon to understand the mysterious lunar south pole. NASA is carrying out the mission in three stages: Artemis 1, Artemis 2 and Artemis 3. The first of them took place last year. The Artemis missions are using a type of spacecraft called Orion. For the Artemis 1 mission, the Orion flew around the Moon without anyone on board. Artemis 2 will take four astronauts 5,500 miles beyond the Moon, completing a lunar flyby and returning to Earth. This is planned for November 2024. The next stage, called Artemis 3, is due to take place no earlier than 2025. It will take astronauts to land near the Moon’s south pole. The whole Artemis project will cost at least £63 billion. NASA says it wants this mission to boost scientific discovery and inspire a new generation of explorers. The team also hope it will help NASA’s long-term goal, which is to land people on Mars in the next decade.

Who are the astronauts?

Reid Wiseman: Wiseman is the commander of the mission. He was in the US Navy before he joined NASA and has served as a fighter pilot (flying fast combat planes). In 2014, he spent 165 days on the International Space Station, where he helped carry out more than 300 science experiments.

Artemis 1 at the Kennedy Space Center in Florida, US.

Victor Glover

Reid Wiseman

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A brief history of space travel

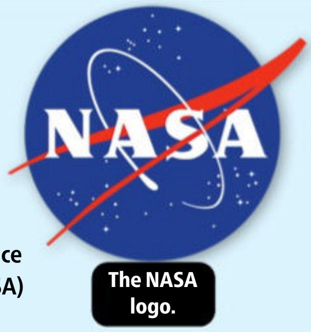
4 October 1957

The Soviet Union (a former country made up of Russia and its neighbours) launched Sputnik I, the first satellite to orbit the Earth. A month later, Sputnik II carried a dog called Laika into space.

Laika the dog.

October 1958

The US was worried that it was lagging behind the Soviet Union in space technology. To catch up, the National Aeronautics and Space Administration (NASA) was set up.



The NASA logo.

12 April 1961

The Soviet Union sends the first person, Yuri Gagarin, into space. He made a 108-minute orbit around Earth on board the spaceship Vostok 1, and became a global celebrity on his return home.

Yuri Gagarin

mans to the Moon

Jeremy Hansen
Christina Koch

SPACE GARDEN
Astronauts grow plants and vegetables on the International Space Station to add to their diet.

An artist's idea of the Orion craft returning to Earth.

The Orion craft takes a selfie.

Victor Glover: Glover will be the first black person to go to the Moon. He is the pilot, meaning he will control the spacecraft, and he is second-in-command of the mission. As part of his application to become an astronaut, Glover wrote a limerick (a funny poem) which included lines describing NASA's medical tests: "This is all dizzying to me, because I gave so much blood and pee".

Christina Koch: Koch will be the first woman to travel to the Moon. She is a mission specialist for Artemis 2. Mission specialists work with the pilot to keep the spacecraft and equipment in good condition. They carry out experiments too. Koch holds the record for the longest single spaceflight by a woman, after spending 328 days in space. Koch grew up on her family's farm.

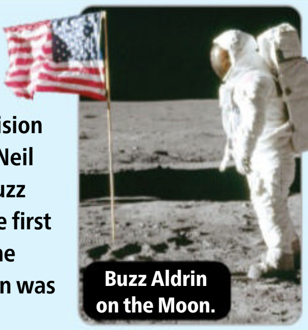
Jeremy Hansen: Hansen is the first Canadian to travel to the Moon. Like Koch, he was also raised on a farm and, like Wiseman, has served in the military as a fighter pilot. He will work alongside Christina Koch as a mission specialist.

How will the astronauts prepare?

Before going to space, astronauts chosen by NASA must go through some very tough training that lasts about two years. Part of the training includes spending time underwater to understand what it feels like to be weightless. Luckily, NASA has an enormous tank in Houston, Texas, that is big enough to fit several Olympic swimming pools. The tank is 12 metres deep and holds around 28 million litres of water. The astronauts will have to swim around in it while wearing their spacesuits.

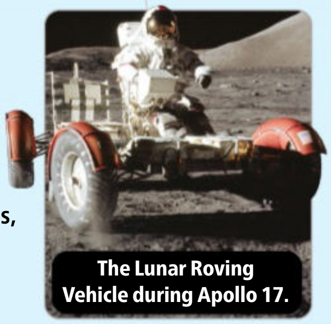
20 July 1969

A staggering 723 million people watched on television as US astronauts Neil Armstrong and Buzz Aldrin became the first men to walk on the Moon. The mission was called Apollo 11.


Buzz Aldrin on the Moon.

7 December 1972

NASA launched the last crewed mission to the Moon – Apollo 17. It was a 12-day trip that broke several records, including a 22-mile drive across the Moon's surface.


The Lunar Roving Vehicle during Apollo 17.

The International Space Station.

20 November 1998

The first part of the International Space Station, called Zarya, was launched on 20 November 1998 by a Russian rocket. The first US-built part, called Unity, was added in December 1998.

WHIFFY FEET

Bumblebees leave smelly footprints on plants to let other bees know if it's a good place to eat.

A beekeeper collecting honey.

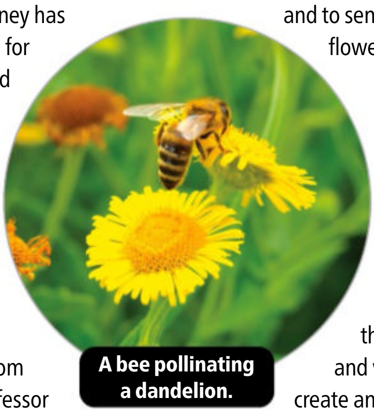
Honey is studied for its healing powers

Scientists at Cardiff University in Wales are trying to find out if honey could be used as an alternative to antibiotics (a group of medicines that are used to treat infections caused by bacteria – tiny living things).

In recent years, infections that can't be cleared by antibiotics have become more common. This happens because bacteria can gradually get used to antibiotics and stop being affected by them. This is called "antibiotic resistance" and it is a big worry for doctors. A recent study revealed that more than 1.2 million people died in 2019 worldwide because of it.

Scientists already know that honey has healing properties. Manuka honey, for example, is an antibiotic and is used to treat wounds and burns. It's made by bees in New Zealand that pollinate the flowers of the manuka bush, taking substances called phytochemicals from the plant and adding them to the honey.

In the current study, scientists are looking at honey that comes from the pollination of other plants. Professor Les Baillie from Cardiff University told the BBC, "Before antibiotics, we used herbal and traditional remedies to treat diseases. We have gone back to these traditional remedies."



A bee pollinating a dandelion.

The researchers can test which honey has antibiotic properties. They can also test the honey to see which plants the bees visited to create it. This means they can use the honey as a guide in the search for plants that could be used to create new antibiotics. Dr Jennifer Hawkins, who worked on the study, said, "Our plan was to employ bees as private investigators and to send them out to interview every flowering plant in the country."

So far, three plants have been linked to honey with antibiotic properties – dandelions, bluebells and woodruff.

The scientists plan to create a special honey by leading bees to the right plants. They will create a grass meadow with beehives on the roof of a Cardiff shopping centre and work with local communities to create another bee-friendly habitat.

The bees that use perfume

Scientists in Germany have discovered that male orchid bees use perfume to attract female bees. The bees were spotted taking scented material from flowers they visited and storing it in pouches on their back legs but scientists weren't sure why. The researchers introduced several male pairs – one perfumed and one not – to cages filled with female bees. The bees that reproduced were almost all perfumed. Only one non-perfumed bee reproduced and the scientists think he stole perfume from another bee.

An orchid bee feeding.

ALAMY; GETTY IMAGES

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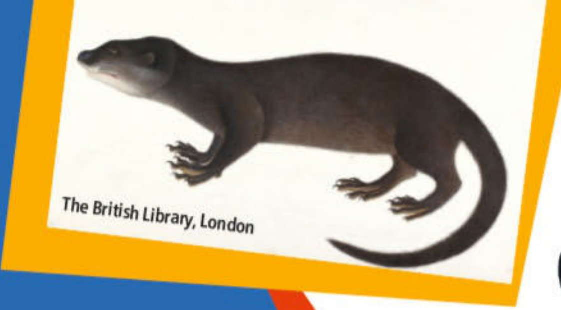
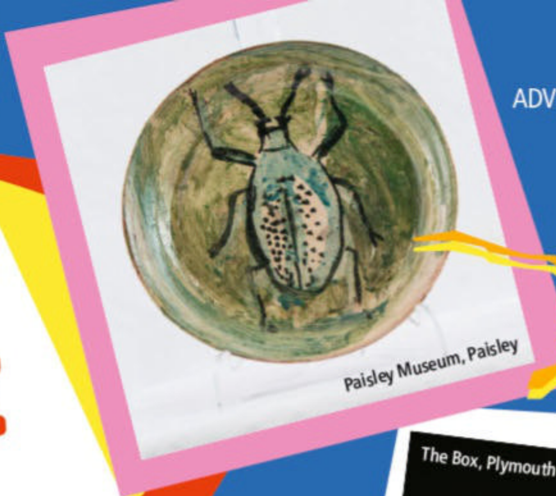

The British Library, London


Paisley Museum, Paisley

JOIN THE WILD ESCAPE!

Find your favourite animal in a museum and draw it

The UK is home to some of the most striking, wonderful and spectacular wildlife on Earth. From birds to mammals, and fish to insects, there are thousands of amazing animals on these isles.

To celebrate UK wildlife, hundreds of museums, galleries, and historic houses are taking part in The Wild Escape - a new project to inspire creativity around wildlife for pupils aged 7 to 11 years old - and they need your help!

All you have to do is head to a local museum, find an animal you like and create an artwork imagining its journey to a natural habitat. Upload you drawing and all the pictures will be shown as part of an epic collective artwork unveiled on Earth Day.

If you want to take part, head to your local museum and draw your animal in the space below. To find your nearest museum, ask a grown up to visit: artfund.org/TWJ

SCAN ME!

The Box, Plymouth

EARTH DAY
Earth day is celebrated on 22 April. It is a time to think about the environment and raise awareness of how to protect it.

The V&A, London

Draw your own animal!

In the space to the right draw your own animal taking a wild journey to a new world, then ask an adult to head to artfund.org/junior to find out how to upload it into an epic collective artwork along with art by hundreds of other kids.

National Art Pass

Grown ups, keep exploring together with a National Art Pass! Visit artfund.org/juniornap for more information.

National Art Pass

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Funded by ARTS COUNCIL ENGLAND
Supported using public funding by Arts Council England. Lottery funded

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and a group of generous individuals and trusts

In association with The Wild Escape

COMPETITION

Celebrate the natural world and win prizes!

In association with STABILO, *The Week Junior* is giving away prizes worth more than £125 to 11 winners.

Design a poster and include a written pledge to the planet.

Planet Earth is a beautiful, wonderful and fascinating place. From the highest mountains to the deepest oceans, via tropical rainforests, deserts and your local park, there is a rich array of landscapes, plants, animals, and insects to enjoy.

Now, in association with STABILO, *The Week Junior* is asking our readers to design a poster that celebrates the natural world and write a pledge to protect Planet Earth. **The winning designs will feature in a TWJ poster and also win prizes!**

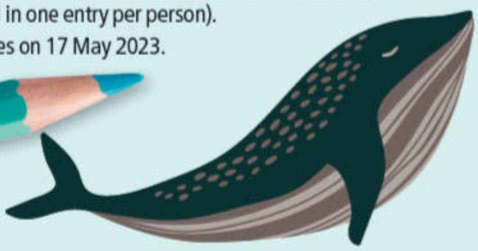
The competition is inspired by Earth Day, which takes place on 22 April each year. It is a time to celebrate the planet and also to reflect on how we can better protect it. So we are asking readers to think about what their favourite things from the natural world are and then draw them! This could be anything from an enormous elephant to a tiny bee, or a scene from a jungle or under the sea. You could also draw your favourite place - whether it is a beach, a park or a garden. Then write a short pledge to say how you intend to protect the Earth.

We can't wait to see your drawings and read your pledges. Good luck!

Instructions

On the blank template, draw your poster that celebrates the natural world. Then on the lined template underneath, write your pledge to the planet. If you didn't get it quite right the first time, you can draw your poster on a piece of paper.

Once you have completed your drawing, ask an adult to take a photo and send your entry to: theweekjunior.co.uk/stabilocomp (but please only send in one entry per person).
The competition closes on 17 May 2023.



STABILO
Trio DECO

WIN FANTASTIC PRIZES!

Our panel of judges will read through all the entries and then select 11 winners. Each winner will receive a bundle of incredible STABILO prizes worth more than £125, including:

- STABILO Trio 2 in 1
- STABILO BOSS ORIGINAL desk set
- STABILO PEN 68 BRUSH
- STABILO aquacolor
- STABILO power max
- STABILO TRIO DECO METALLIC
- And one overall winner will also receive a **STABILO EASYoriginal pen** and a **STABILO EASYgraph pencil**.

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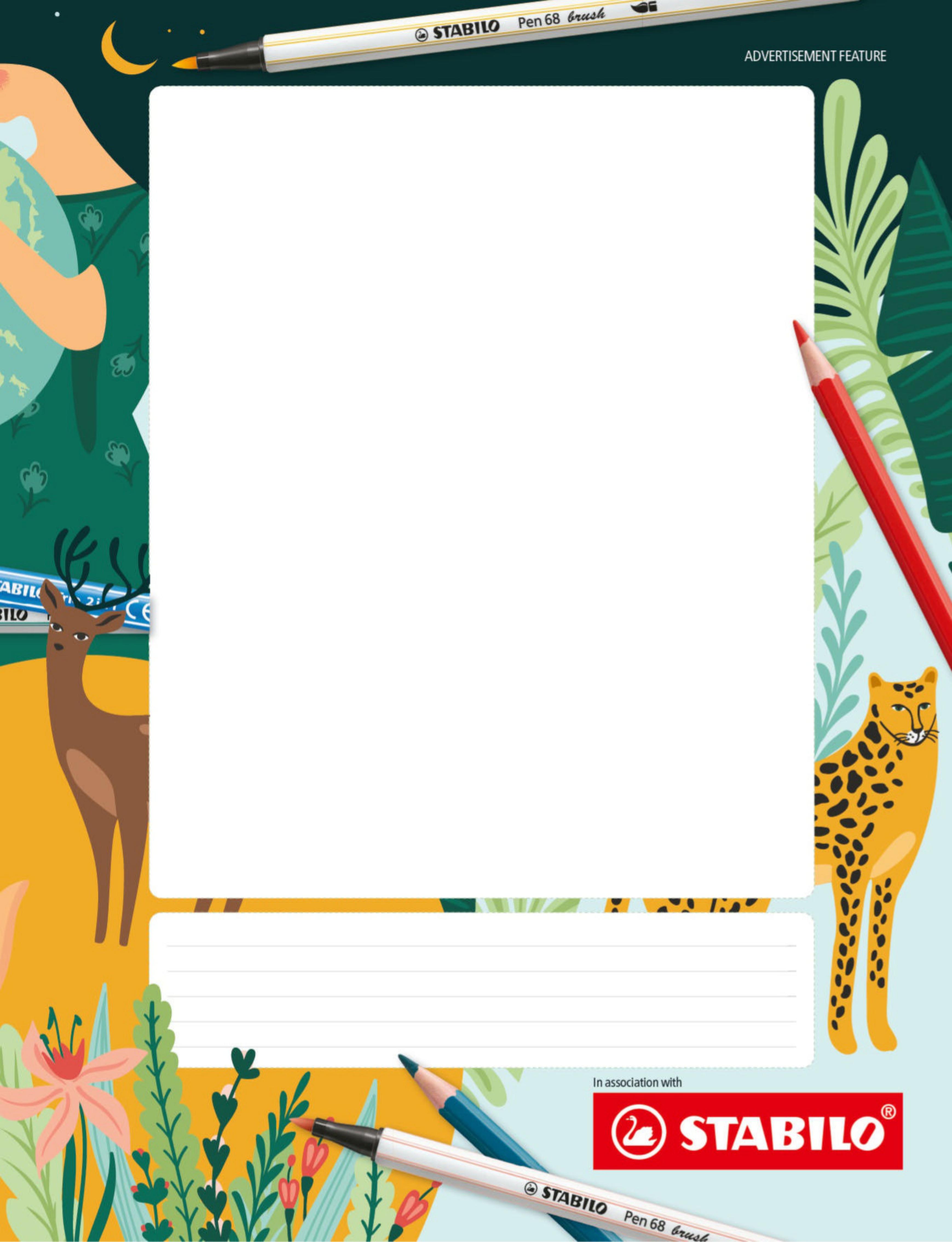

STABILO Pen 68 brush
STABILO
STABILO Pen 68 brush

In association with

STABILO®

PROBLEM SOLVING
The route a climber takes to the top of a wall is called a "problem".

Molly Thompson-Smith in action for Great Britain.

Olympic climbing

Thompson-Smith

Speed climbing is part of the Olympic Games in Paris in 2024. It first became an Olympic sport at the Tokyo 2020 Games. "It's really exciting. The Olympics give climbing that one event that's just a little bit bigger than everything else. It connects climbing with other mainstream sports and helps it to reach a wider audience," says Thompson-Smith.

Thompson-Smith's top targets

Molly Thompson-Smith has always enjoyed sport. When she was younger she played cricket, football, netball and tennis. The one sport she really enjoyed, though, was climbing. Thompson-Smith even had her seventh birthday party at a climbing centre. "Because I started the sport so young it has always just been my 'thing' really," she tells *The Week Junior*. "I like it because it involves strength, flexibility, problem solving and being brave."

The two types of climbing that use ropes are speed and lead climbing. Speed climbing is a very fast race up a 15-metre wall against another athlete. Lead climbing is much slower and a climber attaches their rope to the wall at certain points as they get as high as possible on a difficult route. Thompson Smith is famous for lead climbing. She also does sport climbing, in which athletes climb a 4.5-metre indoor wall using different coloured grips, called holds. This is sometimes called "bouldering" and it doesn't use ropes. Soft mats protect climbers when they come down.

Thompson-Smith, who lives in Sheffield, England, wants people of all backgrounds to get involved. "Climbing is an amazing sport with so many physical and mental benefits," she says. "Everyone should try it. It's my goal to make it more inclusive. You'll be surprised by what you can achieve on the wall and there are always lots of people to chat to."

THE WEEK'S WINNERS...

Andrea Spendolini-Sirieix

Teenager Spendolini-Sirieix, from London, won a silver and two bronze medals at the Diving World Cup in China.

Jessica Gadirova

The 18-year-old British gymnast won three gold medals at the European Gymnastics Championships in Antalya, Turkey.

Chris Ashton

Playing for the Leicester Tigers rugby union team, Ashton became the first player to score 100 tries in the Premiership competition.

Chelsea Women and Manchester United Women

Chelsea defeated Aston Villa 1-0 and Manchester United beat Brighton 3-2 to reach the FA Cup final (14 May).

GETTY IMAGES · REX SHUTTERSTOCK · ALAMY

Make friends with money

Keeping your cash safe and secure can make you feel more confident.

BANKED IT
A UK study found that one in five children receive their pocket money by bank transfer.

However you feel about money, it plays a big role in life. Understanding how it works can make you feel more confident and happy and can help you reach your goals.

Why is it helpful to understand money?

Whether you want to make a million pounds or are comfortable with just enough, understanding money is an important skill to have. Kalpana Fitzpatrick is a money expert and author of *Get to Know: Money*. She tells *The Week Junior* that understanding money isn't just about maths and numbers. "It's a tool to help you live a better life the way you want it," she says. So if you dream of buying a new guitar or travelling around the world one day, knowing when to spend and save your cash will help you.

How can you manage money better?

Fitzpatrick suggests treating money the same way you would a good friend. "You need to communicate, understand boundaries and be able to ask for help if you need it," she explains. So if you need a certain amount of money to buy a computer game, for example, look after the money you already have. This could mean keeping it safe in a savings account so that it builds up, or not spending it on things you don't need. As well as helping you reach your goals, this will help you build a happy, healthy relationship with money in the future.

Sell cakes or drinks to earn cash.

Where can you learn more?

"Don't be afraid to ask questions and get advice," says Fitzpatrick. Try talking to parents, carers and teachers, or find reliable news sources like books and BBC Bitesize. "It's helpful to be nosy," she says.

According to a study by GoHenry, the debit card and financial education app, more than 70% of young people in the UK say earning their own money is important, and many are doing this by starting their own businesses. Think up some money-making ideas, such as making and selling cakes or jewellery, and learn while you earn. "Being good with money isn't about being rich or comparing yourself to others," says Fitzpatrick. "It's about knowing what matters to you."

Go treasure hunting

"Collectibles" are anything that might be valuable to a collector. Even though they don't always look special, they can be worth a lot, like the page of a Spider-Man comic that sold for £2.7 million last year. You could search charity shops and car boot sales for football cards or old toys that people might start collecting one day. You never know, the treasures you find might go up in value in the future.

How to manage money

Kalpana Fitzpatrick's top tips to help look after your money:

- **Set a goal. If you really want something but don't have enough money to buy it, make a plan to save up.**
- **Before spending, work out if you're buying something you want (for example sweets) or something you need, like pens for school. Ask yourself if it's worth it.**
- **Instead of stuffing your savings into a money box, open a savings account (with help from an adult) and watch your money grow.**

GETTY IMAGES · ALAMY · REX SHUTTERSTOCK

Celebrating hip hop dancing

Breakin' Convention marks 20 years of streetdance.

Mover from South Korea.

Les Twins

Ghetto Funk Collective

BREAKING NEW GROUND

Breakdancing will be an official Olympic sport at the Paris games in 2024.

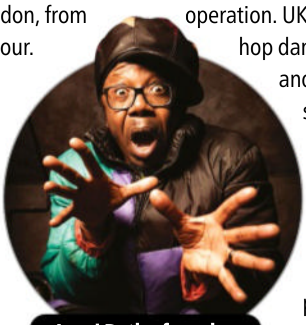
If you like streetdance, get ready for Breakin' Convention's 20th International Festival of Hip Hop Dance Theatre at Sadler's Wells, in London, from 29 April to 1 May, and its summer UK tour.

The festival features brilliant streetdancers and hip hop theatre performers from all over the world. Acts include French duo Les Twins; the Ghetto Funk Collective from the Netherlands, who specialise in a funk and hip hop dance style known as locking; and Brazilian breakdancer Samuka from the Ill-Abilities group, which is made up of dancers with disabilities. Samuka lost his right leg when he was little and got interested in breakdancing after the operation. UK performers include Boy Blue, a hip hop dance company from east London, and Far from the Norm, which does streetdance and theatre that aims to reflect people's real lives in Britain.

Visitors can get involved too. The festival is offering free streetdance and graffiti classes for people of all ages to have a go, as well as free performances by beatboxers and DJs.

Breakin' Convention's summer tour will visit nine towns and cities in May and June, including Birmingham, Blackpool, Brighton and Nottingham. At each show you can see streetdancers from the local area, as well as international stars including South Korea's Mover crew and the Ghetto Funk Collective, and the founder of Breakin' Convention, Jonzi D.

Jonzi is very proud that Breakin' Convention has been going for 20 years this year, and of how it has helped hip hop dance in the UK grow and flourish. He says the group has helped hundreds of artists in that time and he thinks Breakin' Convention's success is down to its simple mission: bringing UK audiences "the best hip hop theatre from around the world and around the corner".



Jonzi D, the founder of Breakin' Convention.

Streetdance around the UK

House of Jack, Scotland

House of Jack provides all sorts of classes for children of all ages and levels. Some of the classes you can try include hip hop, breakdancing, musical theatre dance and commercial dance.

Avant Cymru, Wales

Avant Cymru is using hip hop theatre to bring people together and offers hip hop dance classes. It hosts "summer jams" – mini festivals of breakdancing, beatboxing and rapping.

Ajendance, Northern Ireland

Ajendance offers streetdance classes for people of all ages and abilities, as well as ballet, jazz and tap classes. Ajendance also gives young people the chance to perform at events and competitions.

BAKI · GETTY IMAGES · NATH MARTIN · PAUL HAMPARTSOUMIAN · REX SHUTTERSTOCK · PETE TWEEDIE · HOUSE OF JACK

POETRY WINNERS REVEALED!

Find out who won the TWJ poetry competition.

Inspired by the poetry book *Being You: Poems of Positivity*, the theme for *The Week Junior's* poetry competition was POSITIVITY. We received lots of outstanding poems and thank you to everyone who submitted their poem. They were inspirational, poignant and uplifting. The judges had a really tough time selecting the winners as the quality was extremely high.

However, one poem shone through and we can announce that the overall winner was *HOPE* by Vivienne! Read the winning poem and the judges' comments on the right.

Overall winning poem

HOPE

by Vivienne, aged 12

When the stones in your pocket
Are dragging you down
And you've almost collapsed
On the bruised, bleeding ground,
Hope is the eagle who carries you home
Without complaint, without a sound.

When fear and fatigue
Force you onto your knees
And it seems like the world is
Ignoring your pleas,
Hope is the strength that compels you to stand
And pulls you to your feet.

When nightmares creep
Into your brain
And you wake in cold sweats
Once again,
Hope is the bluebird that sings you to sleep,
Makes music of the screaming rain.

And hope is the sunlight that breaks through the clouds,
Gives refuge when the world's too loud,
Hope is a whisper of "It'll be fine" and
Assurance that – someday– the stars will align.

The judges said:

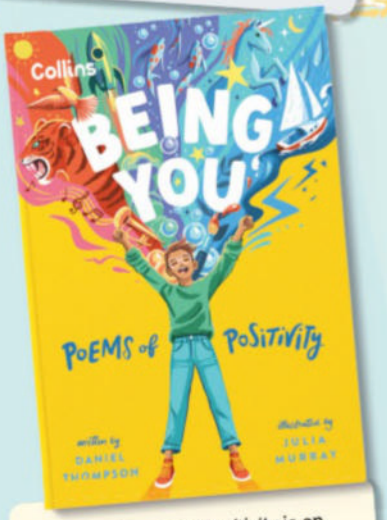
Daniel Thompson said, "The poem had a bold and well-defined subject matter, it had strong imagery, and I really liked her use of poetic structure particularly the return to Hope Is… as the 5th line in each stanza and the break from the 6 line stanzas to really emphasise her point in the final stanza."

Vanessa Harriss said the poem had "sophisticated ideas and language. It's very dramatic, grand imagery but the last two lines, which always start with 'Hope', use calmer, softer language, which is very powerful. The structure of the first four verses – they are a bit longer – is a clever way to show that difficult times feel long, but then that format is broken for that last verse about hope. Lovely."

Other winners

The five other winners are:
The Rainbow of Life by Eliza
The Rainbow by Charlotte
Believe in Yourself by Lara
Be Positive by Elena
Positivity is a life skill for all by Ellie

The judges said these poems were powerful, joyful, imaginative and technically very skilful!
Congratulations to all the winners!



Being You: Poems of Positivity is an uplifting collection of poems written by poet and storyteller Daniel Thompson. The book features beautiful illustrations by Julia Murray and is the perfect book for anyone looking to build positivity and confidence. *Being You: Poems of Positivity* is out now!

In association with Collins

THINK GR
WE ♥ OUR PLANET!!!
Under the Sea under the sea its so dirty and its filled with plastic baggies

Protecting our planet

22 April is Earth Day 2023 – and these websites may inspire you to take part.

STRONG SUPPORT
Organisers say more than a billion people take part in Earth Day every year.

Every year, 22 April is Earth Day, which celebrates our planet and encourages people to do whatever they can to protect it. If you're wondering how you can get involved, there are plenty of websites with information and advice.

A great place to start is the official Earth Day website, which tells you about the day, including events that are happening around the world. These include marches, community clean-ups and "teach-ins", where people can learn about the environment.

Another helpful site belongs to the Young People's Trust for the Environment. This is a charity that works with young people, parents and teachers in the UK on topics like climate change and plastic pollution.

BBC Bitesize explains wind power.

The BBC Bitesize site also has a section about sustainability – how we can keep our beautiful Planet Earth in balance by not destroying or using up its natural resources. The site explains the difference between fossil fuels, such as coal and oil, and renewable energy, like wind and solar power. It also explains subjects like recycling.

If you're interested in finding out more about how Britain's wildlife can be protected, two other charities' websites will help. The Wildlife Trusts – with the help of thousands of volunteers – works to protect nature across the UK, and the Marine Conservation Society focuses on our local sea life. Both can tell you what's being done to help and support our natural world and how you can get involved.

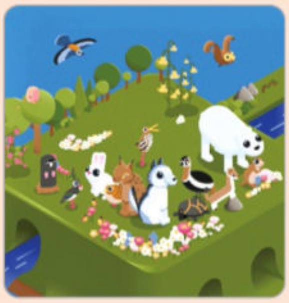
Reducing waste is a big part of protecting the planet. Keep Britain Tidy is on a mission to clean up litter in our streets and countryside, and Recycle Now teaches you how recycling works, including how and where you can do it near your home.

It can be scary to think about tackling climate change but these sites will encourage you and inspire you to take action in practical ways, rather than just feeling helpless or worried.

GETTY IMAGES · REX SHUTTERSTOCK · INTERNET OF ELEPHANTS · TUMBLE MEDIA · CLIMATEGAMES.COM

APP OF THE WEEK

CLIMATE GAME



This app teaches you different ways to reduce your "carbon footprint" (impact on the planet). It puts you in charge of making decisions about energy and transport.

PODCAST OF THE WEEK

TUMBLE

sciencepodcastforkids.com

TUMBLE
SCIENCE PODCAST FOR KIDS

Tumble is a podcast about lots of different scientific topics. Some recent episodes explored sluggish sloths, the size of the universe and plant science.

GAME OF THE WEEK

UNSEEN EMPIRE

This free game for iPhone and Android smartphones is based on a real-life study capturing photos of leopards in south-east Asia. The game has you following in the researchers' footsteps.

Book club

5 books about fairies

Open up magical worlds through these tales of mythical creatures with wings.

Into the Faerie Hill

by HS Norup

(Pushkin Children's)

When Alfred arrives at his granny's cottage, he feels like he's being watched. He soon realises that the surrounding forest is full of faerie creatures. Teaming up with a new friend, Saga, he hopes to find a way to protect the faeries and their world from a new motorway development.

Stink

by Jenny McLachlan

(Farshore)

Fairies are sweet and sparkly and lovely... aren't they? This hilarious diary-style book might make you wonder. Stink is the rudest, naughtiest fairy in existence – it's Danny's job to help her do a good deed and win her silver wings. If you enjoyed *Loki* you will really like this laugh-out-loud story about a fairy with a difference.

The Thirteenth Fairy

by Melissa De La Cruz

(Macmillan Children's)

Nothing ever happens in Filomena's small town – until the day Jack Stalker, the hero of one of her all-time favourite books, turns up in real life. Now, Filomena must venture into a fantastical world of dragons, fairies and sorcerors to help stop an evil queen from destroying the fairy tribes.

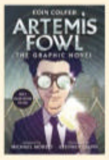
Like a Charm

by Elle McNicoll

(Knights Of)

In this imaginative fantasy, heroine Ramya finds that the city of Edinburgh is full of magical creatures – and she is the only one who can see them. Pulled into a thrilling adventure of secrets and spells, she sets out to learn the truth about the Hidden Folk.

Artemis Fowl: The Graphic Novel



by Eoin Colfer.
Adapted by Michael Moreci and illustrated by Stephen Gilpin

(Puffin Books)

In this graphic novel version of a bestselling book, 12-year-old evil genius Artemis Fowl finds that fairies are real. These are not the gentle creatures of bedtime stories, though; instead they are armed and dangerous. Artemis is about to find out that fairies will fight back.

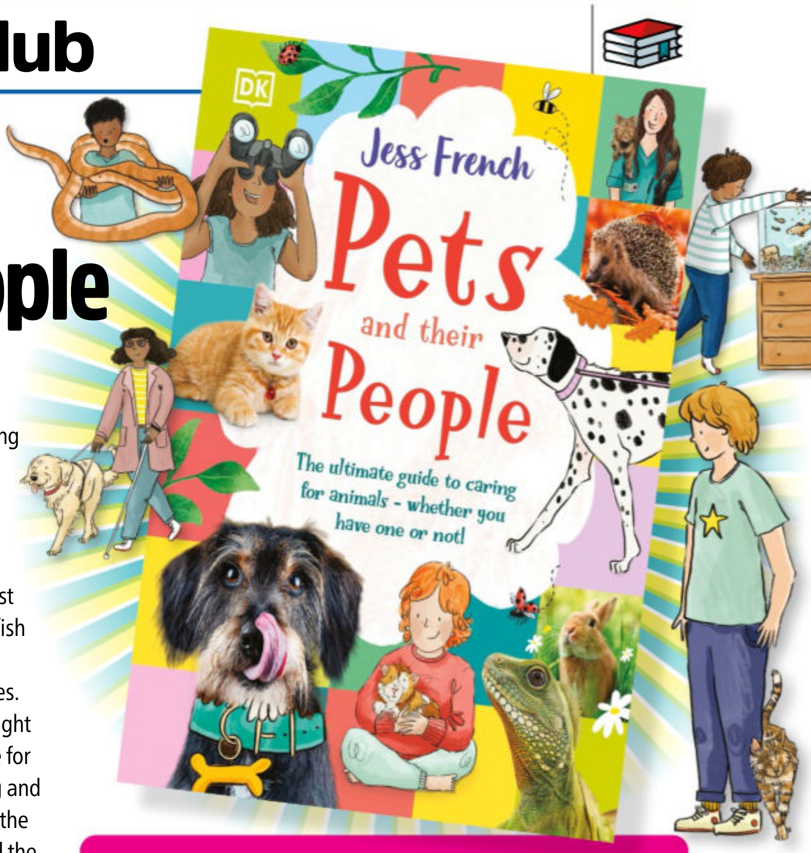
DORLING KINDERSLEY · BECCA HALL

BOOK OF THE WEEK

Pets and Their People

by Jess French

(DK)


DK
Jess French
Pets and their People
The ultimate guide to caring for animals - whether you have one or not!

Do you have a pet? Would you like to get one? This book has everything you need to know about caring for animals – it's full of facts and helpful tips. Written by author and vet Dr Jess French, it gives lots of information about some of the most popular pets – such as cats, dogs, fish and guinea pigs – as well as more unusual ones like lizards and snakes. You'll find out how to choose the right pet for your family and how to care for them, including feeding, grooming and training. You'll also find out about the history of pets, their behaviour and the different ways they communicate. Even if a pet won't fit into your family right now, there are plenty of animal ideas, such as encouraging bugs and hedgehogs in parks and gardens, helping at local dog shelters and farms or even doing your bit to protect wildlife.

WIN! We're giving away five copies of *Pets and Their People*

For a chance to win a copy, just fill in the entry form at tinyurl.com/TWJ-books-384 before the closing date of 28 April at 11.59pm. Make sure you have a parent or guardian's permission to enter.

ASK THE AUTHOR

Jess French

The vet and author talks to *The Week Junior* about why she loves her job.

What inspired you to write this book?
I'm a vet, so people often come to me asking how they can best look after their pets. I thought it was about time I wrote all my answers down together in one place.

Favourite animals?
Don't do that to me. I love all animals.

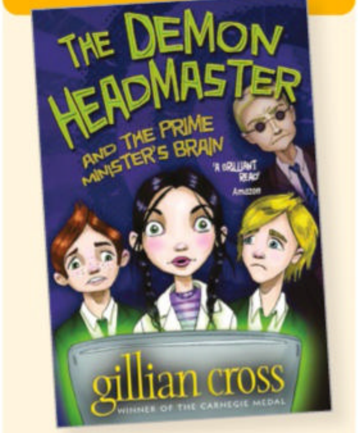
Best and worst thing about being a vet?
The best thing – saving lives. The worst thing has to be cleaning up their poo.

If you could see any animal in the wild what would it be?
I would love to see an okapi.

How many pets have you had in your life?
Too many to count – from dogs and gerbils to stick insects and chickens.

READERS RECOMMEND

Name: **Elsa**



The Demon Headmaster and the Prime Minister's Brain

by Gillian Cross

"Twists, competition and friendship. A secret club try to find their friend who is held by the most evil villain..."

YOUR TURN

Email your book review to *hello@theweekjunior.co.uk*. If your review is printed in the magazine you'll receive a Roving Reporter badge. Tell us what you liked about the book and why you'd recommend it to others, and don't forget to include your name and address.*

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*If you are the competition winner, we will only use the details you provide to contact you and arrange delivery of your competition prize. Further details about how we manage the data you provide can be found at www.futureplc.com/privacy-policy

MUD FOOTBALL
Each year a football match takes place in a muddy swamp in Ísafjörður, Iceland.

Throw yourself into the race.

Run, climb and crawl through a...

Muddy obstacle course

If you want to tackle an outdoor challenge this summer then why not try a muddy obstacle course? They are large events set up in a field or a park and have things like inflatable climbing frames, swinging equipment and tunnels to crawl through. Many obstacle courses have the added fun of muddy water pits and messy slides. It's great fun running, walking or even swimming through the chaotic course with friends.

Lots of groups around the UK offer obstacle events. Pretty Muddy Kids is for children aged from five to 12 and is organised by the Cancer Research UK charity. An adult can run alongside a young person around the three-mile course. It has mini obstacles to climb over, cargo nets to crawl through and a spider's web rope activity. As the name suggests, you must be ready to get splashed and dirty at a Pretty Muddy Kids experience!

A company called Tough Mudder also runs obstacle courses called "Lidl Mudder" in England and Scotland. Entrants take on between 10 to 15 mud-filled challenges on the route. Some people run through in a quick time while others prefer to jog or walk.

As well as having obstacles to complete on the main course, some events have other activities to join or watch on the day. The Little Welly is an obstacle course held on 10 and 11 June in Oxfordshire, England. It also has a summer festival with face painting, a climbing tower, laser tag, live music and entertainment to enjoy.

You're likely to get muddy, so make sure to wear clothes that are comfortable for running and you don't mind getting mucky. Trainers with a good grip are also important, and don't forget to take a full change of clothes for after the race. If you are looking for a fun outdoor challenge this summer, and don't mind getting messy, check out an obstacle course.

Get ready to get mucky.

HOW, WHAT, WHERE?

How can I join in?

With the help of an adult, go to raceforlife.cancerresearchuk.org to find a Pretty Muddy Kids obstacle course near you this summer. The mini Tough Mudder courses are set up at all Tough Mudder adult events. Visit toughmudder.co.uk to find out more.

How much does it cost?

Entering the Tough Mudder course for children aged five to 12 costs £16. Pretty Muddy Kids is £12 – and you are encouraged to raise sponsorship money to help Cancer Research UK. Other activities available on the day, such as face painting, will cost extra.

"I LOVE HOW MUDDY YOU GET"

Name: Emily

"I have been doing the Little Welly for five years, and I love the obstacles and how muddy you get. You can push yourself to do the challenges, from monkey bars to the rope climb and the muddy trenches. There are options to walk around if you don't feel up to it. Everyone can take part and my mum enjoys doing it with me."

ALAMY · CANCER RESEARCH UK/KEVIN MICHAEL LADDEN PHOTOGRAPHY · GETTY IMAGES

Create flag art

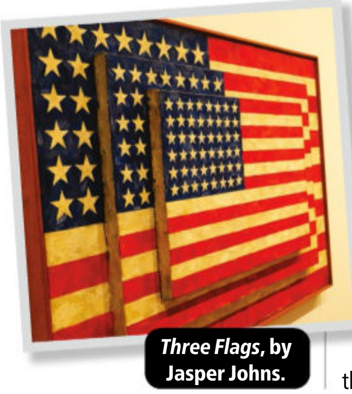
What you need

- An old cardboard box
- Ruler
- Scissors
- Old comics or newspapers
- Glue
- Pencil
- Paints
- Sticky foam tabs (optional)

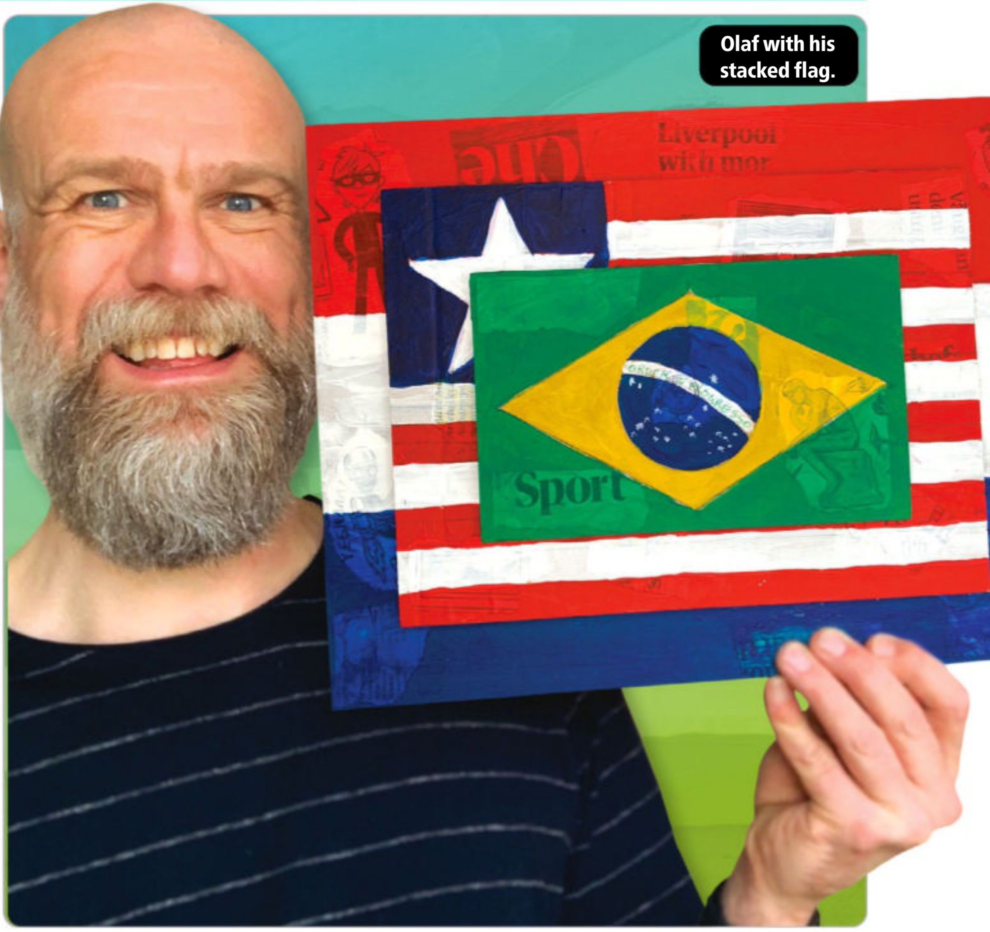
My name's Olaf Falafel – hello! I'm a children's author, illustrator, dad and a stand-up comedian. During the Covid-19 lockdowns I started an online Art Club to share drawing tips, information about artists and jokes, like: Why can't you hear a pterodactyl go to the loo? Because the pee is silent.

I want to introduce you to an American pop artist called Jasper Johns this week. He is best known for his flags, letters, maps, numbers and targets – particularly his paintings of the US flag. He said he wanted to explore the idea of "things the mind already knows".

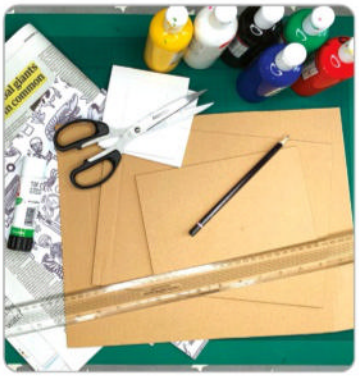
I love how Johns's flags combine both art and geography. Here, I've created my own "stacked flag" – artwork using flags from the countries that some of my favourite footballers play for. You can use any flags you like. If you need inspiration, take a look at Around the World on pages six and seven.



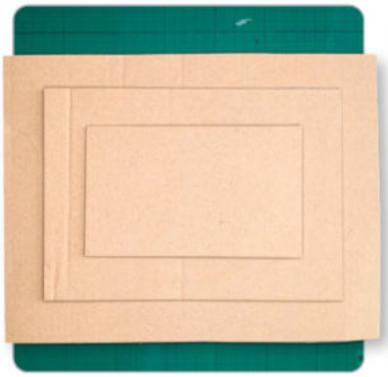
Three Flags, by Jasper Johns.



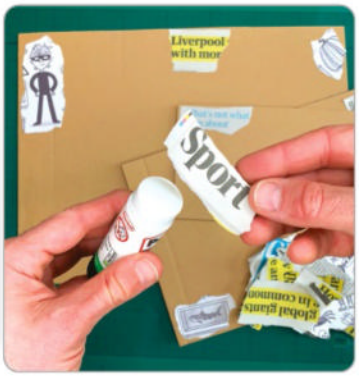
Olaf with his stacked flag.



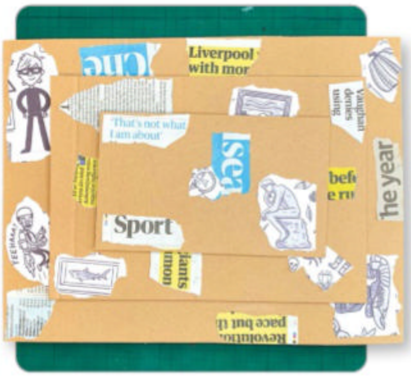
1 Gather all your equipment together so that you have everything ready.



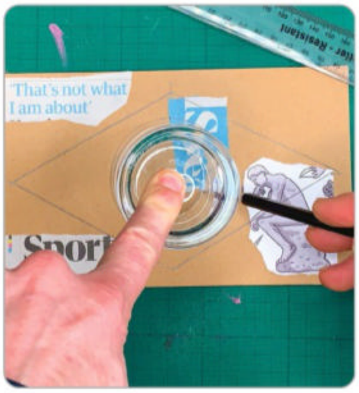
2 Cut a piece of card to A3 size and then two more pieces, each one three centimetres smaller all round.



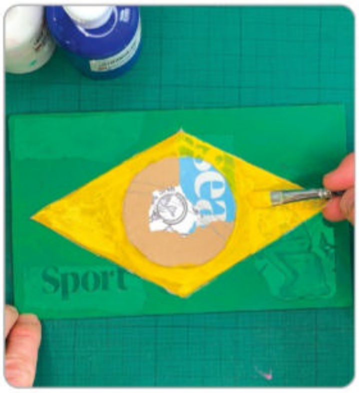
3 Tear out words and cartoons from the comics or newspapers, and stick them to the card.



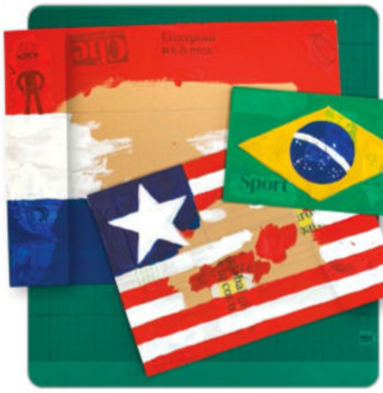
4 Make sure that each piece of card has an even amount of the torn pieces.



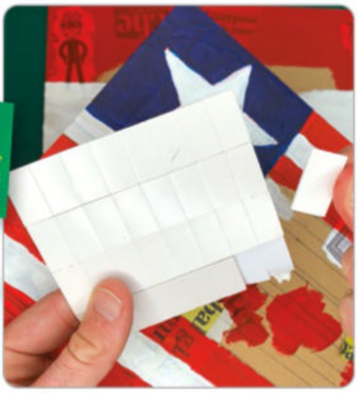
5 Draw the outlines of your flags in pencil, using a ruler or drawing around shapes if you need to.



6 Start to paint your flags. Don't apply the paint too thickly, so you can see the words and cartoons.



7 The largest two don't have to be painted all the way to the middle, as they will get covered.



8 Use sticky foam tabs or glue to stick each flag on top of each other, and your artwork is finished!

Head to theweekjunior.co.uk/activityhub for more crafts and recipes.

SCAN ME

GETTY IMAGES · OLAF FALAFEL · ALAMY

Crossword

Read the clues carefully and write the answers into the grid.

1		2		■	3	4		5		6
	■		■	7	■		■		■	
8							■	9		
	■		■		■	■	■		■	
■	10					11				
12	■	■	■		■		■	■	■	
13		14						15		■
	■		■	■	■		■		■	16
17			■	18						
	■		■		■		■		■	
19						■	20			

Across

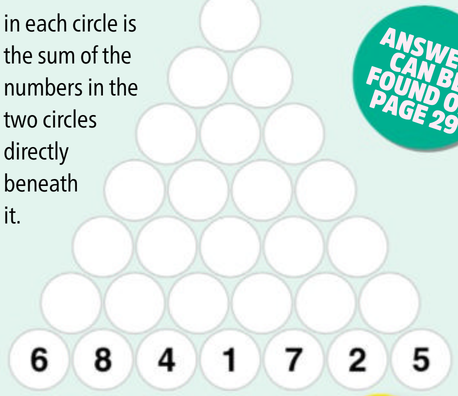
1 Shirt's wristband (4)
3 Horn of a deer (6)
8 Black and white Antarctic bird (7)
9 Creative activity (3)
10 Object hit about on a court (6,4)
13 Vehicles landing at Gatwick (10)
17 Removable cover (3)
18 Sunshade (7)
19 Gardener's small digging tool (6)
20 Dutch shoe (4)

Down

1 School hats (4)
2 Garden barrier (5)
4 Convent sister (3)
5 Woolly South American animal (5)
6 Baby's noisy toy (6)
7 Pale yellow root vegetable (6)
11 Set of steps (6)
12 Croquet stick (6)
14 Sound broadcast receiver (5)
15 Artist's three-legged stand (5)
16 Slimy garden creature (4)
18 Dish with a pastry crust (3)

Number tower

Place a number in every circle to complete the tower. The value in each circle is the sum of the numbers in the two circles directly beneath it.



ANSWERS CAN BE FOUND ON PAGE 29

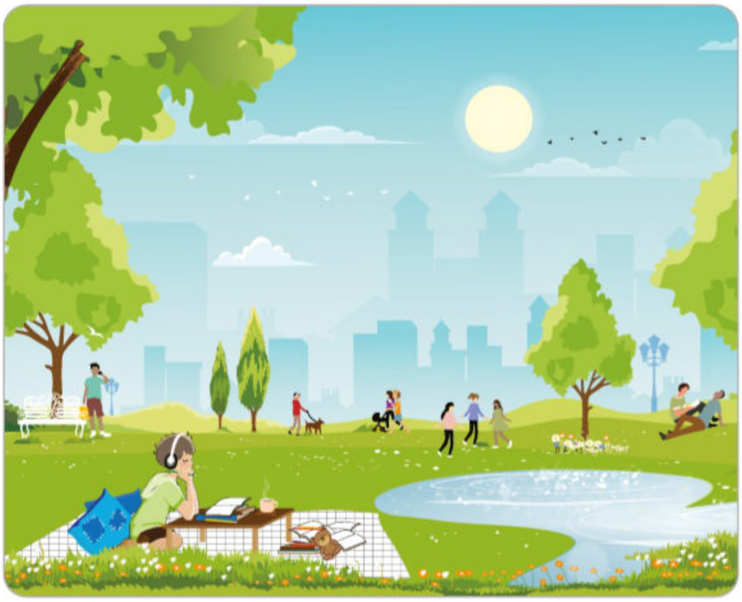
Sudoku

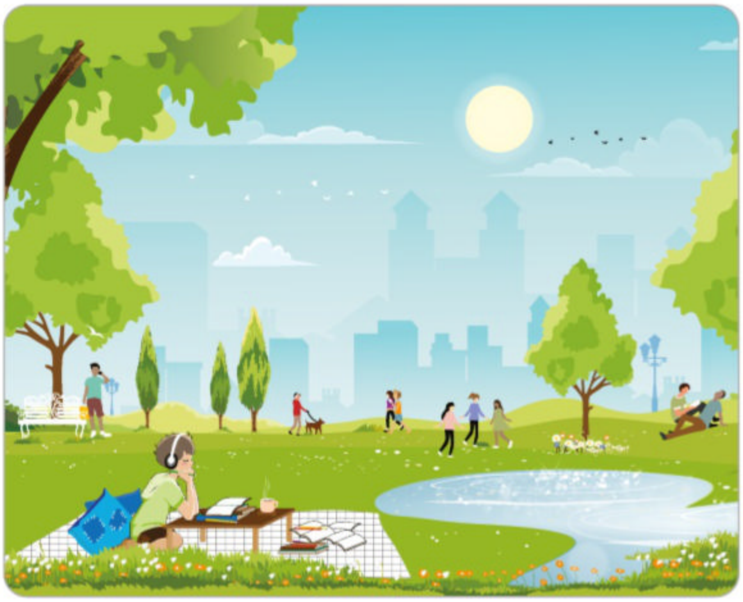
Place the numbers from 1 to 6 exactly once in each row, column and 2x3 bold-lined box, to complete the grid.

			5		
		2		6	
6	5				2
4	2				1
		6		4	
			2		

Spot the difference

These two pictures appear to be the same, but take a closer look. There are actually five differences. Can you spot them?





GETTY IMAGES

That's unbelievable!

Dogs to get a royal pampering

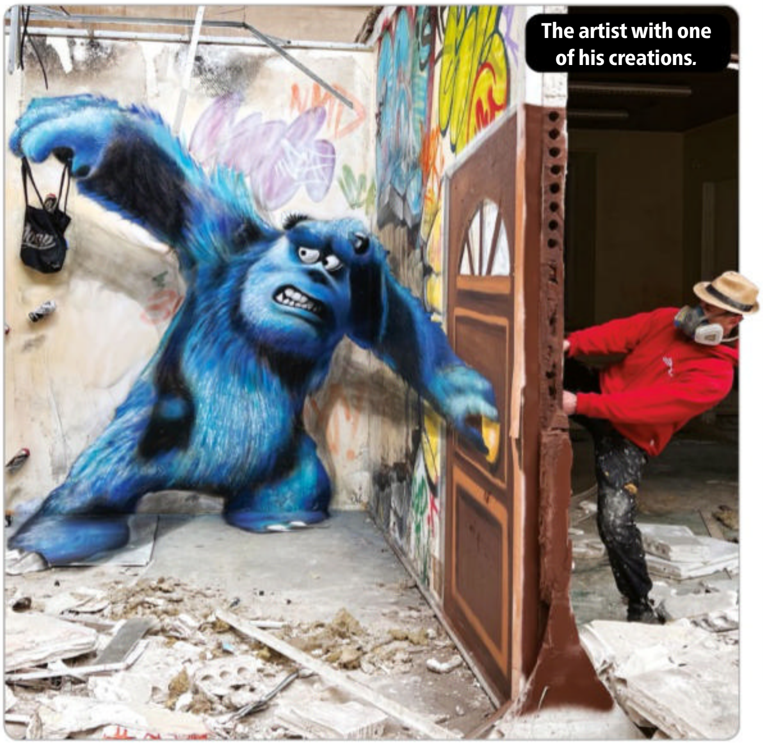
A five-star (grand and expensive) hotel in County Durham, England, is offering owners of Cavalier King Charles spaniels (a type of dog) a free night's stay – to celebrate the coronation of King Charles III. These spaniels were the favourite of King Charles II (1630–1685), and from 1 May to 30 June, guests with that type of dog who book a three-night stay at Seaham Hall, near Sunderland, will get their third night free and a "pup pack". The hotel describes this pup pack as containing bowls, towels and "irresistible treats".

PLEASE MAKE UP MY ROOM
THANK YOU

A Cavalier King Charles spaniel.

3D monsters that fool the viewer

An artist is transforming the walls of abandoned buildings with his 3D-type murals (pictures that are painted directly onto walls). Graffiti artist Pierrot, also known as SCAF, taught himself to paint. He has painted murals of animals and cartoon characters, like James P. Sullivan from *Monsters, Inc.,* in old factories and swimming pools. SCAF's clever artwork tricks the eye and brain into thinking that the characters are coming out of walls instead of being on a flat surface.



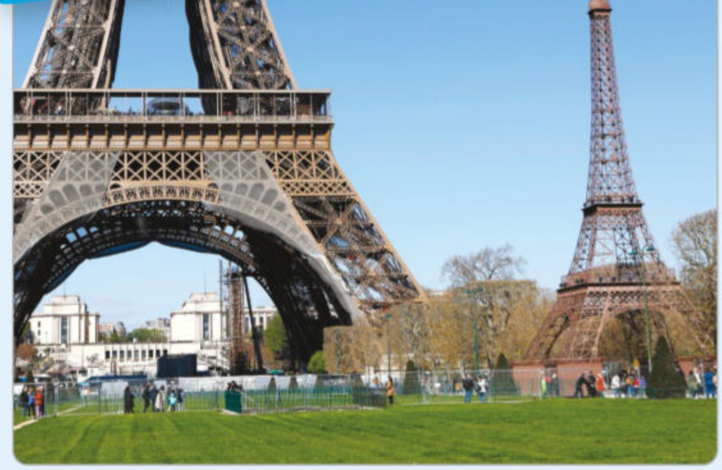
The artist with one of his creations.

Margaret Carroll on the zip wire.

The 91-year-old daredevil

For a 91st birthday treat, Margaret Carroll's family gave her a ride on the world's fastest zip wire, whizzing over Penrhyn Quarry in Wales at nearly 100 miles per hour. During her life, the retired teacher has swum with stingrays, ridden a horse in the Grand Canyon in the US and climbed Yr Wyddfa (Snowdon) in Wales. Discussing her many adventures, Carroll says, "I don't see them as adventure activities, just things I have done."

Real OR rubbish?



The Eiffel Tower has a mini-me.

The Eiffel Tower's little friend

Tourists might think they are seeing double when they visit the famous landmark in Paris, the Eiffel Tower. In fact it is the work of an artist called Philippe Maindron. He has decided that one Eiffel Tower is not enough and has created a mini version that he has named *Eiffela*. *Eiffela* is 33 metres high and stands beside its bigger cousin. The artist was happy to reveal why he had decided to make the copy. He said, "There is no other goal than to create happiness and to create a bond," but is this story real – or one big illusion?*

*Real! The replica of the Eiffel tower was installed for just 10 days.

REX SHUTTERSTOCK · GETTY IMAGES · SWNS · COVER IMAGES

Over to you

Editor's note

We know how much the environment, nature and animals matter to our readers because you write and tell us! We are sure that you will be marking Earth Day, as shown on this week's cover. Our On Screen report this week (page 22) is an inspiring read about just some of the ways you can get involved in supporting our beautiful planet. I loved reading about Nabilah Chowdhury too (on page 9), the award-winning climate activist whose interest started from watching the plants on her family's balcony in London. Moving off-world, the All About this week (page 12) is a fascinating reminder of humans' history of space travel and exploration, and the story about the healing powers of honey on page 14 is a brilliant example of where science and nature meet. I love honey, and apparently its benefits aren't just feeling happy after eating it on toast. Talking of feeling happy, I enjoyed the story of the artist Tash Frootko (page 9), who has been painting houses bright colours to bring some joy into unloved parts of towns. Finally, this week's most brilliant fact I found on page 3 – I had no clue that the ideal guinea pig is shaped like a brick. Did you?

Vanessa Harriss
Editor

CHARITY OF THE WEEK

Froglife

On 28 April, it's Save the Frogs Day. Froglife works to help amphibians and reptiles (frogs, toads, newts, snakes and lizards) and save their habitats. Recently, frog numbers have been falling, so Froglife has put together lots of ideas for how you can support these little pond dwellers. Ask a grown-up to help you get involved at tinyurl.com/TWJ-Froglife

Puppy pandemonium

Name: **Willoughby**

"My dog Meg has had eight puppies, four girls and four boys. They are very naughty and funny, and love to play. They also nibble my fingers a lot and climb all over me. It's really fun having puppies in the house but they also do a lot of poo and escape from their pen! I will be very sad when they go to their new homes."

Meg (left) and the puppies are whippets (a breed of dog).

What have you been up to lately? Which books have you enjoyed reading? What have you made? Have you written a poem or drawn a picture that you'd like to see published on this page? Whatever you have to show or tell us, get in touch at *hello@theweekjunior.co.uk*

JOKE OF THE WEEK

"Why did the cat named 'OneTwoThree' win in a swim race against the cat named 'UnDeuxTrois'? Because the UnDeuxTrois cat sank!"

Wilbur

GET INVOLVED

Help protect water voles

The wildlife charity, People's Trust for Endangered Species (PTES), is running its annual nationwide water vole survey between April and June. If you are based in England, Scotland or Wales, you can get involved in searching waterways for water voles, which are sadly one of Britain's fastest declining mammals. This survey will in turn help conservationists (people who protect and preserve the environment) chart water vole populations and combat their decline. Find out more at ptes.org/watervoles

A water vole in the wild.

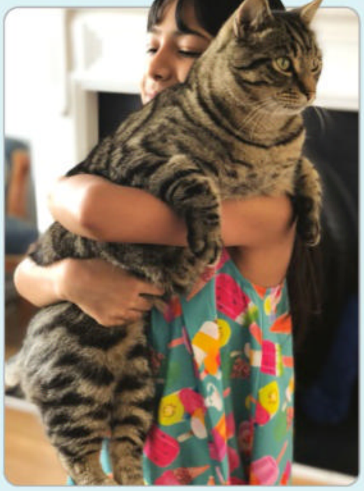
GET INVOLVED Email your news, views and pictures to *hello@theweekjunior.co.uk*

Over to you

YOUR PHOTOS

We'd love to see your snaps. Send them to us at *hello@theweekjunior.co.uk*
Don't forget to tell us why you took them.

"Me and my sister on the beach in Dirleton, East Lothian, Scotland. The island is called Fidra. We think it is the perfect place to read *The Week Junior*!"
Arthur and Frances



"This is a photo of me hugging my cat Mog."
Maya

"I love origami and I love reading, so why not put them together?"
Abdullah

READERS RESPOND

We love hearing from you! It's easy – just write a comment when you vote in our online Big Debate poll, or even record a voice note for *The Week Junior Show*.

Last week we asked you if you thought writing by hand is better than typing...

"Writing's better. Everyone's handwriting is unique and it's lovely to get a handwritten letter."

"Typing's faster, you don't get hand cramps and work is legible."

"You get to be more creative when writing by hand – you just let everything out through your pen."

Tell us what you think of this week's issue and we'll print some of the best comments here.

Teacher OF THE WEEK

Teacher's name: **Mr O'Byrne**

School: **Ecolint Nations school, Geneva, Switzerland**

"The best teacher should be Mr O'Byrne because he lets us have extra playtime, physical education and brings us to the park. He makes everything fun and easy to understand including maths. He is very nice and a very funny person."

Class 6b

If we pick your teacher as Teacher of the Week, we'll send your school three free issues of *The Week Junior*. Send your nominations, along with a picture of your teacher and your school's full name and address, to *hello@theweekjunior.co.uk*

FROGLIFE.ORG · PTES.ORG

Puzzles page and quiz answers

1 c) Jupiter **2** False, they've drawn the King's pants **3** Thailand **4** a) The upper chamber **5** False, she moved there aged nine **6** Majesty and steadiness **7** a) Victor **8** True **9** Manuka honey **10** b) A problem **11** True **12** 22 April **13** False, she writes about pets **14** a) Iceland **15** Cavalier King Charles spaniels

1	6	4	5	2	3
5	3	2	1	6	4
6	5	1	4	3	2
4	2	3	6	5	1
2	1	6	3	4	5
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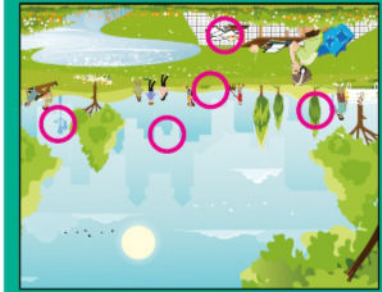

256
133 123
73 60 63
43 30 30 33
26 17 13 17 16
14 12 5 8 9 7
6 8 4 1 7 2 5

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THE WEEK Junior SHOW

If you've enjoyed this issue, why not listen to our podcast, *The Week Junior Show*? Go to tinyurl.com/TWJ-show or scan the QR code above. We'd also like you to take part. Give us your views on the Big Debate in this issue or tell us which was your favourite story and why. Send us a voice message by asking a parent to go to tinyurl.com/TWJ-show, scroll down and click on the red button.

Quiz of the week

1 The European Space Agency's new spacecraft, called Juice for short, is flying towards which planet?

☐ a) Neptune

☐ b) Uranus

☐ c) Jupiter

2 True or false? 24 artists and illustrators have drawn the King's socks for charity.

☐ True ☐ False

3 Which country has just celebrated its new year with huge water fights?

4 What is the other name for the House of Lords?

☐ a) The upper chamber

☐ b) The middle chamber

☐ c) The lower chamber

5 True or false? Nabilah Chowdhury grew up in Sydney.

☐ True ☐ False

6 What do scientists call the Amur tiger's two main personality traits?

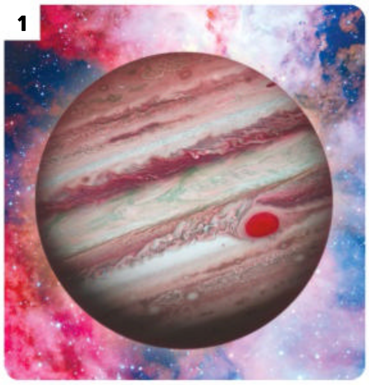
7 What is the name of the first black person who will go to the Moon?

☐ a) Victor

☐ b) Jeremy

☐ c) Reid

1



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3

9

11

8 True or false? Astronauts on the International Space Station grow vegetables and plants.

☐ True ☐ False

9 Which type of honey is used to treat wounds and burns?

10 What is the name of the route a climber takes to the top of a wall?

☐ a) A journey

☐ b) A problem

☐ c) A challenge

11 True or false? Breakdancing will be an official sport at the Paris 2024 Olympic Games.

☐ True ☐ False

12 When is Earth Day?

13 True or false? Author Jess French writes about fairies.

☐ True ☐ False

14 Which country hosts a football match in a swamp each year?

☐ a) Iceland

☐ b) Finland

☐ c) Norway

ANSWERS CAN BE FOUND ON PAGE 29

15 A hotel in England is offering a free stay to which breed of dog?

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